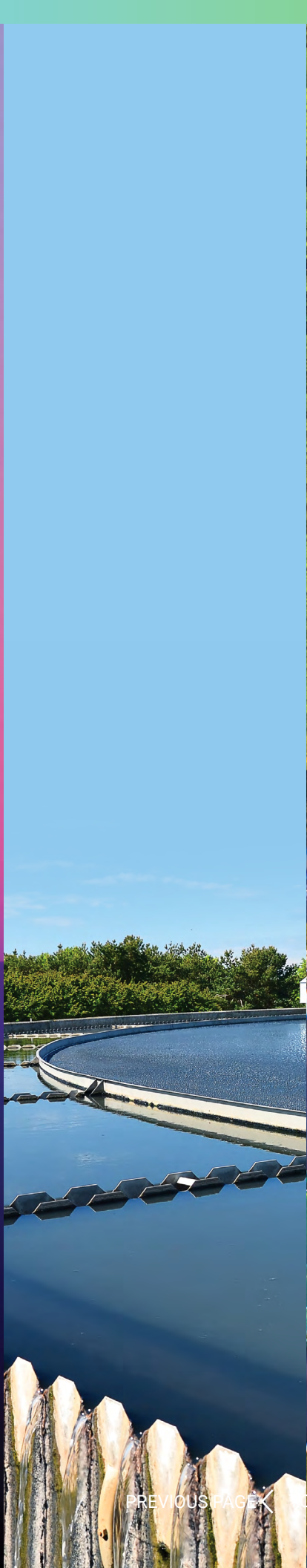




Pumps, controls & pressure boosting

Versatile designs.
Proven performance.





175+ years of manufacturing excellence

Xylem's Goulds Water Technology is one of the world's leaders in centrifugal and turbine pumps, controllers, variable frequency drives, and accessories for residential, commercial, agricultural and industrial markets and applications. The brand began in 1848 in Seneca Falls, NY when Seabury S. Gould purchased a pump making business. Innovative for its time, the company went on to become the world's first producer of all-metal pumps

With over 175+ years of pump experience, Goulds Water Technology combines manufacturing excellence

with a total commitment to quality based on full performance testing of every pump we make. Whether you need stainless steel, bronze, or cast iron, multi-stage verticals or horizontals, end suction centrifugals or submersibles, there's a Goulds Water Technology design that's proven itself through years of dependable service.

In addition to the standard pump designs shown here, we offer specialized O.E.M. pumps designed to meet the specifications of your particular needs.



Xylem meets or exceeds the DOE's 2020 efficiency standards

The U.S. Department of Energy established DOE 2020 standards, rating the performance of pumps. All of our products meet or exceed the DOE's 2020 efficiency standards. That means you can specify any of them today and be sure they'll be compliant.



NSF certified

NSF 61 is a certification for products that come into contact with drinking water.

This standard establishes minimum health effects requirements for the chemical contaminants and impurities that are indirectly imparted to drinking water from products, components, and materials used in drinking water systems.

These requirements are based on the EPA and Health Canada requirement.

Overview of Products

Xylem’s Goulds Water Technology is one of the world’s leading brands in residential, commercial and industrial water products, operating and manufacturing in the USA since 1848. Our wide ranging portfolio of water system pumps and accessories provides value and reliability in a complete solution.

Table of contents

5

Monitoring & controls

— optimize™.....

— AQUAVAR® e-AB Series

— AQUAVAR® IPC.....

— HYDROVAR®

— HYDROVAR® X.....

6

8

9

10

11

13

High pressure multistage

— e-SV

— e-SVE.....

— e-SVI.....

— e-SVX.....

— e-HM.....

— e-HME

— e-HMX

— e-MP

— GB and HB.....

— HSC.....

14

16

18

20

22

24

26

28

30

31

33

Single stage end suction

— Prime Line SP

— 3642

— 3656/3756 M&L-Group.....

34

35

36



– 3656/3756 S-Group.....	37
– 3657/3757	38
– ICS	39
– e-SHX	40
– e-SH.....	42
– MCC.....	44
– MCS.....	45
– NPE.....	46
– NPO	48
– LB.....	49

50 Vertical turbines

– VIC - Canned Lineshaft.....	51
– VIT - Short Set Lineshaft.....	52
– VIS - Submersible (Borehole).....	53

56 Wastewater

– 2ED	56
– 3885 - WE Series	57
– 3886 - WS Series.....	58
– 3887 (WS_BF & WS_BHF) Series	59
– 3888D3 - WS D3 Series	60
– 3888D4 - WS D4 Series	61
– 3SD	62
– 4SD	63
– 4NS.....	64
– 1GD	65



Monitoring & Controls

For more than 25 years, we have been providing proven variable speed pump control solutions; starting with the AQUAVAR® variable speed controller. Today, the expanded product line offers a wide range of monitoring and control solutions. Our philosophy has remained unchanged over the years: To provide quality, variety and system solutions for our customers.



optimize™



**AQUAVAR®
e-AB2 and e-AB3**



AQUAVAR® IPC



HYDROVAR®



HYDROVAR® X

optimize™



Condition monitoring solutions to optimize your bottom line.

Using predictive analysis, optimize identifies potential problems with your critical equipment before they occur, to help customers manage system reliability and maintenance.

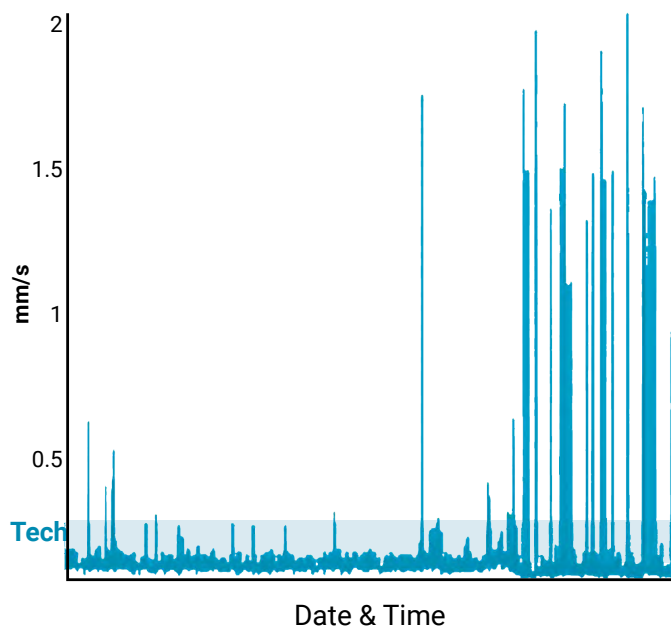
Applications

- For use on most pumps, motors or rotational equipment within agriculture, commercial buildings, industrial or water utilities applications
- Monitor vibration of pumps and motors
- Monitor temperature of pump bearings and motors

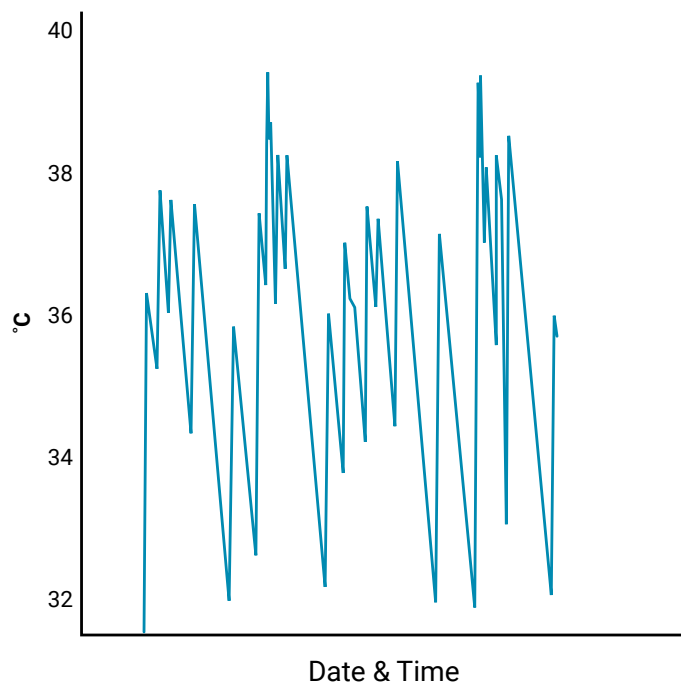
Features & benefits

- Condition monitoring of mechanical and electrical assets to enable predictive maintenance
- Asset management including asset location, size and manufacturing date
- Optimized reporting that helps simplify documentation, manage system maintenance and inform purchasing
- Conveniently monitor system conditions on our simple-to-use mobile application
- Remote monitoring via the optimize mobile application, Avensor Smart Monitoring Web application or the optimize Gateway

Vibration



Temperature



Surface temperature measurement

Measurement range

-4° F to +275° F
(-20° C to +135° C)

Measurement method

Non-contact infrared laser

Minor gradient accuracy (0° C to 25° C gradient)

+/- 1° C

Moderate gradient accuracy (25° C to 50° C gradient)

+/- 2° C

Moderate gradient accuracy (50° C to 100° C gradient)

+/- 4° C

Vibration measurement

Frequency range

5Hz to 1,100Hz

Measurement method

Independent 3-axis

Primary output (per axis)

Single value RMS

Other outputs

Kurtosis and FFT

Vibration limit (max acceleration)

16g

Threshold standard

Global: ISO 10816-7

North America: ANSI/HI 9.6.4

Power

Batteries (replaceable)

(2) 3.6V AA, 2400mAh, Lithium

Battery life (using default sampling rate at 25° C)

3-5 years

Default sampling rate

1 sample per 30 minutes

Available sampling rates (one sample per unit of time)

10 secs to 12 hrs

Wireless communication

Network type

Bluetooth® Low Energy 5.0¹

Connection range

(without interference)
100' (30 m)

Environmental

Ambient operating range

-4° F to +122° F (-20° C to +50° C)

Storage temperature (5 to 95% humidity non-condensing)

-13° F to +149° F (-25° C to +65° C)

Protection rating

IP56, NEMA 4

AQUAVAR® e-AB Series



Applications

To increase water pressure for customers of municipal water districts when demand is high or pressure is inconsistent, and for those boosting from a storage tank

Features & benefits

- Reduces up to 50% of the energy required by a fixed speed pump
- Aquavar® IPC provides intelligent pumping and easier programming with the Start-Up Genie
- Xylem Smart Motor provides ultra-premium efficiency with an IE5 permanent magnet motor
- NEMA 1 and NEMA 3R enclosures expand installation options
- Duplex lead/lag and alternation

Technical specifications

NSF 61 Certified	✓
Flow range	Up to 80 GPM (Up to 18 m³/h)
Maximum temperature	Max ambient temp. 122° F (50° C) Tank: Max water temp. 120° F (49° C) Pump: Max water temp. 194° F (90° C)
Maximum pressure	Up to 70 psi (5 bar)

Package certifications

• e-AB2 models



UL 778, CAN/CSA
C22.2 N. 108



Drinking Water
NSF/ANSI 61 & 372

• e-AB3 models



Packaged Pumping System
Category QCZJ.



Drinking Water
NSF/ANSI 61 & 372

AQUAVAR® IPC



Applications

For pumps in submersible and groundwater applications

Features & benefits

- Two wire multi-pump connection for faster installation
- Multi-pump configuration for up to four (4) pumps – no need for PLC
- Wide range of voltage and enclosure options
- True 208V coverage
- Dedicated single phase input

Technical specifications

Maximum temperature

Max ambient temp. 113° F (45° C)

Input supply

1.5 - 600HP (frame A-D) wall or base mounted

Input voltage

1.5 - 30HP @ 1PH/208 - 240V
1.5 - 60HP @ 3PH/208 - 240V
1.5 - 600HP @ 3PH/380 - 480V
1.5 - 600HP @ 3PH/525 - 600V

The AQUAVAR IPC in a NEMA 3R steel enclosure provides:

- Protection from the elements – An enclosed cabinet keeps components out of direct contact with the elements, allowing the AQUAVAR IPC to be used in a broader range of geographical regions and applications.
- Security and peace of mind to installation site – A lockable cabinet protects the equipment inside from being easily exposed to damage.
- Easy programming accessibility – The panel provides quick and easy access to the Start-Up Genie from the outside of the cabinet.



HYDROVAR®



Applications

For pump systems requiring constant pressure, flow control or differential pressure in commercial and municipal applications

Features & benefits

- Motor mount to fan cover of TEFC motor for a packaged unit with a small footprint.
- Alternate input: Up to two transducers may be used with each controller. These may be pressure, flow, differential pressure, temperature or other 4 – 20mA signals.
- Remote start/stop via switch input and emergency stop.
- Dry relay contacts available for pump run and fault.
- MODBUS® and BACnet as standard. Optional Wi-Fi card for the flexibility of wireless connection.
- Advanced motor control to reduce heating and extend the lifetime of the motor.

Technical specifications

Maximum temperature	Max ambient temp. 113° F (45° C)
Input voltage	2 - 5HP @ 1PH/208 - 240V 2 - 15HP @ 3PH/208 - 240V 2 - 30HP @ 3PH/380 - 460V

HYDROVAR® X



Applications

Xylem's HYDROVAR® X line of products combine ultra-premium efficient motors with integrated variable speed drives and pumps for use within agriculture, commercial buildings, industrial, or water utilities applications.

Technical specifications

Display	Graphic color
Controls mode	Actuator, Constant Pressure, Proportional Pressure, Proportional Quadratic Pressure, Constant Flow, Constant Temperature, Constant Level
Multi-pump	Up to 8 pumps
Enclosure	IP55/NEMA3
Working temperature	-4°/+122°F (-20°/+50°C)
Communication protocols	MODBUS® RTU, BACnet MS/TP
Features	IE5 synchronous motor
Mobile app	Bluetooth®

Features & benefits

- Simple: Built-in application software makes HYDROVAR X one of the easiest drives to commission, program and operate, enabling virtually any configuration of pumps.
- Sustainable: No rare earth materials are used to minimize product availability challenges and address environmental concerns while offering smart technology and superior performance.
- Intelligent performance: Advanced system controls (up to 8 pumps) are customizable for a wide range of applications. The IE5 “ultra-premium” HYDROVAR X smart motor provides one of the broadest efficiency ranges in the industry.
- Flexible: HYDROVAR X solutions feature the right combination of motors, variable speed drives and pumps to ensure great performance and a rapid return on investment in nearly any application.
- Built-in protections: Integrated functions provide protection for the pump and motor while optimizing performance.
- Easy service: VFD and/or motor can be easily replaced individually, minimizing downtime and expensive repair.
- Compact motor design: HYDROVAR X motors offer higher performance with a reduced footprint when compared to the legacy generation Hydrovar solution. Increased performance reduces electricity consumption and lowers life cycle costs.



High pressure multistage

High pressure multistage solutions are constructed with a variety of materials such as fabricated stainless steel and casted materials with multiple suction and discharge orientations dependent on configuration. These pumps are designed to handle virtually any high-pressure application including filtration, pressure boosting, wash systems, and boiler feed applications.



e-SV



e-SVE



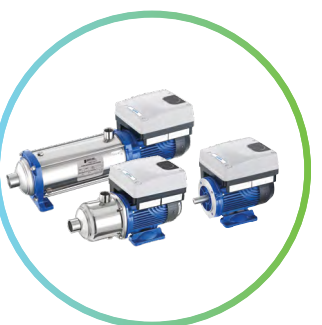
e-SVI



e-SVX



e-HM



e-HME



e-HMX



Xylem e-MP



GB and HB



HSC

e-SV



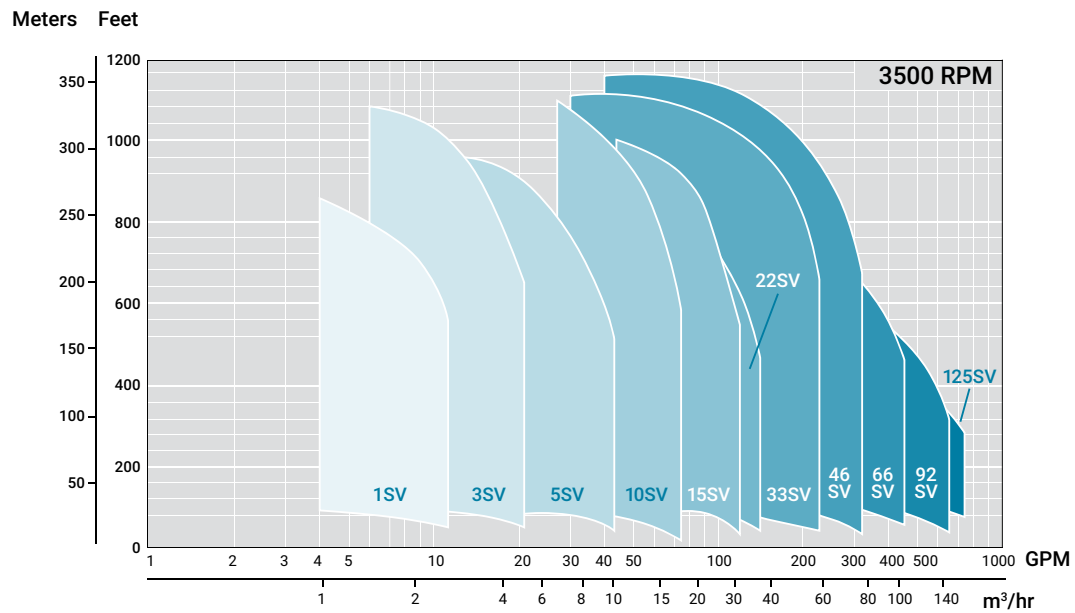
The e-SV fabricated vertical multi-stage pump is an energy saving, non-priming pump coupled to a standard premium-efficient motor. It's built to withstand a variety of, mechanically aggressive and high temperature liquids, and is designed to extend uptime and help reduce lifecycle costs in a wide range of demanding applications.

Applications

- Pressure booster systems (plants, buildings/hotels, residential complexes)
- Commercial washers
- Water transport
- Potable water
- Washing and cleaning systems
- Large vehicle washing system
- Ultra-filtration systems
- Filtration
- Reverse osmosis systems
- Booster packages
- Firefighting system jockey pumps

Features & benefits

- The expanded hydraulic coverage of an e-SV pump combined with a NEMA premium-efficient motor delivers maximum performance
- The extended e-SV portfolio allows you to select a pump aligned with your application's optimum duty point
- A variable speed drive such as HYDROVAR® or AQUAVAR® IPC increases a e-SV's energy savings up to 70% vs. fixed speed
- Standard models offer low NPSH, with even lower NPSH models available
- e-SV pumps are available in horizontal and vertical configurations
- The pump can be easily repaired right in the piping



Technical specifications

NSF 61 Certified	✓
Flow range	725 GPM (160 m³/h)
Maximum head	1200' (330 m)
Maximum temperature	248° F (120° C)
Maximum pressure	580 psi (40 bar)

e-SVE

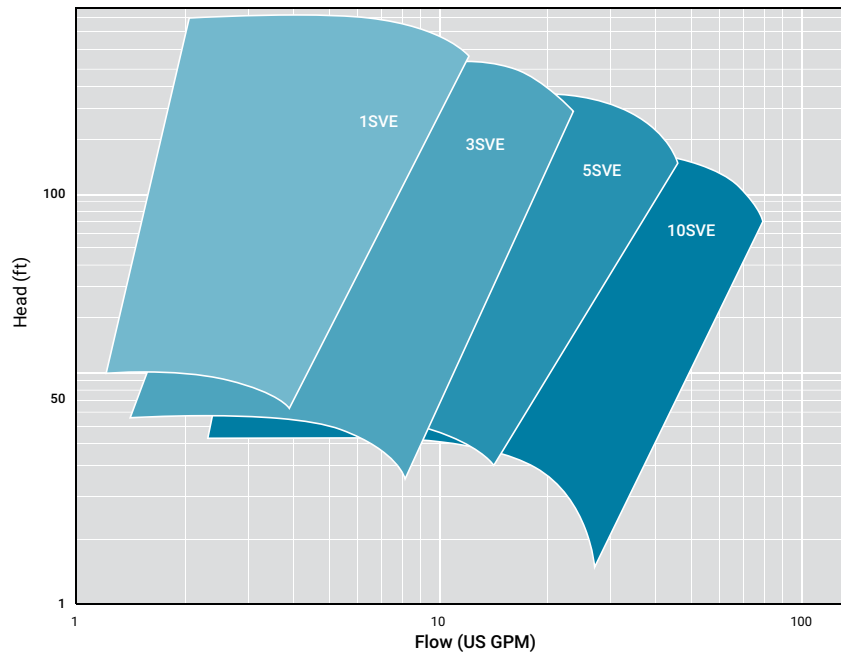


Applications

- Water utilities
- Commercial building services
- General industry
- Power generation
- Agriculture
- OEM industrial

Features & benefits

- Features the Xylem Smart Motor an “ultra-premium” IE5 permanent, magnet motor, providing efficiency well above a standard IE3 an asynchronous motor
- Six e-SVE pump ranges are available with multiple construction designs offer flexibility for a wide list of applications, including residential and light commercial, OEM applications and HVAC
- A variety of connections (threaded, round, clam and oval flanges, Victaulic) configured vertically; ports can be on the same side to save space
- Designed for fast, easy maintenance with a balanced mechanical seal, an O-ring seat design and a replaceable diffuser wear ring



Technical specifications

NSF 61 Certified	✓
Flow range	85 GPM (19 m³/h)
Maximum head	710' (215 m)
Maximum temperature	250° F (120° C)
Maximum pressure	SV1-10 with oval flanges: 230 psi (16 bar) SV1-10 with round flanges or Victaulic: 360 or 575 psi (25 or 40 bar)
Input voltage	0.5 - 3 HP (0.37 - 2.2 kW)

e-SVI



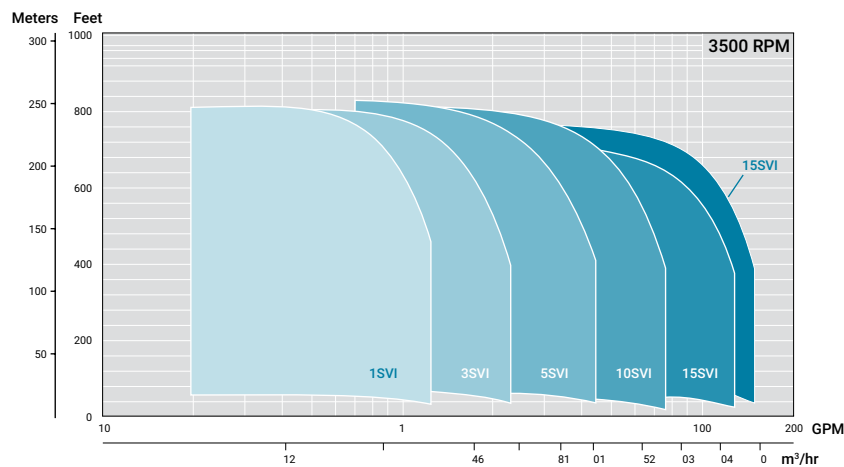
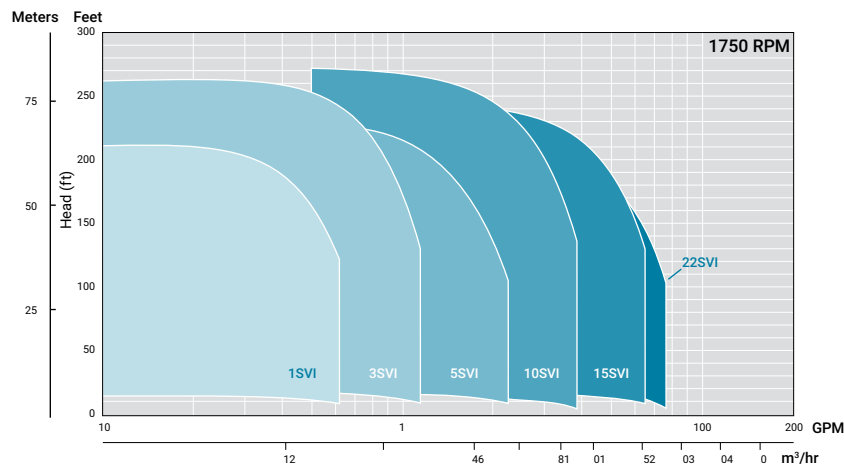
The e-SVI takes reliability and performance to new depths with its efficient, high-performance pumping package, comprised of an energy saving, vertical multistage pump coupled to a NEMA premium-efficient motor.

Applications

- Cooling and tool lubrication circuits
- Cooling systems
- Machine cooling
- Process temperature control
- Industrial washing systems
- Pressurization of clean liquids
- Transfer of condensation
- Filtering systems (reverse osmosis)
- Heat exchange
- Washing and cleaning systems
- Electronics circuit washing
- Commercial washing machines

Features & benefits

- The e-SVI can be built with a variable number of impellers, to cover a wide range of duty points
- Xylem HYDROVAR® drives and ultra-premium efficient Smart Motors are available, to further improve the performance of the system
- The e-SVI is an interchangeable drop-in replacement for pumps with 1.25" or 2" NPT threaded fittings
- An assortment of mechanical seals and materials are available, which are designed to handle a wide range of temperatures, pressures and aggressive liquids with ease



Technical specifications

NSF 61 Certified



Flow range

625 gpm (144 m³/h)

Maximum head

830 ft (260 m)

Maximum temperature

Coupled version: 14°F to 194°F (-10°C to 90°C)
Close-coupled version: 14°F to 140°F (-10°C to 60°C)

Maximum pressure

.75" NPT for sizes 1-3-5 close-coupled (compact): up to 145 psi (10 bar)
1.25" or 2" NPT for sizes 1-22 coupled: up to 362 psi (25 bar)
2.5" and 3" flange discharge connections for sizes 33-92 coupled: up to 435 psi (30 bar)

e-SVX

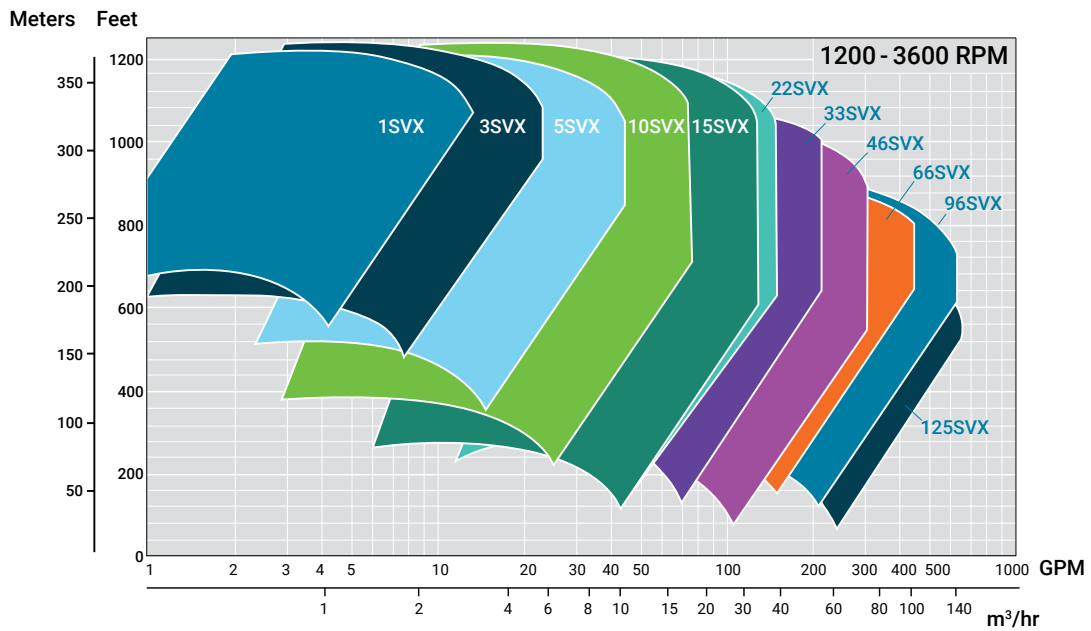


Applications

- Residential
- Light commercial
- Industrial
- Agricultural
- OEM water supply
- HVAC applications

Features & benefits

- Simple: Built-in application software makes the drive one of the easiest to commission, program and operate, enabling virtually any configuration of pumps.
- Sustainable: hydrovar X is a smarter green technology solution. No rare earth materials are used to minimize product availability challenges and address environmental concerns while offering smart technology and superior performance with a “green heart”.
- Intelligent performance: Advanced system controls (up to 8 pumps) are customizable for a wide range of applications. The IE5 “ultra-premium” hydrovar X smart motor provides one of the broadest efficiency ranges in the industry.
- Ease of installation & maintenance: Integrated pump and hydrovar X motor design eliminates the need for additional wiring, labor and associated costs.
- Built-in protections: Integrated functions provide protection for the pump and motor while optimizing performance.



Technical specifications

NSF 61 Certified	✓
Flow range	up to 640 GPM (145 m³/h)
Maximum head	up to 1200 ft (366 m)
Maximum temperature	-20°F to 250°F (-30°C to 121°C)
Maximum pressure	580 psi (40 bar)
Ambient temperature	-4°F to 122°F (-20°C to 50°C)

e-HM



Applications

- Pressure boosting and water supply systems
- Industrial washing and cleaning
- Car wash
- Water treatment
- Circulation of hot and cold liquids in cooling and conditioning systems

Features & benefits

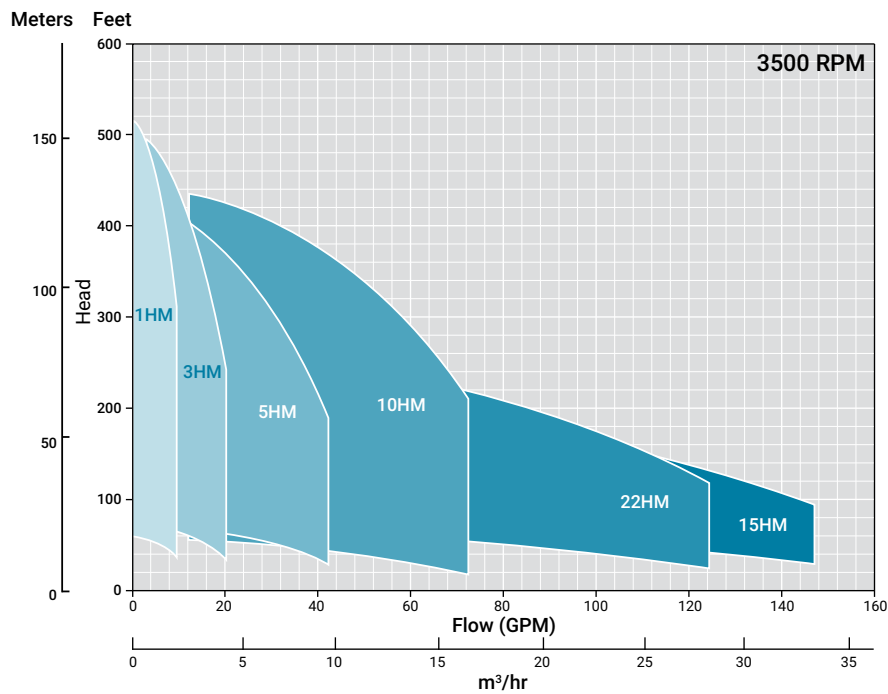
- Up to 15% more efficient: The e-HM is based on the innovative platform and market-proven hydraulics of our e-SV vertical multi-stage pumps, delivering energy efficiency that outperforms the competition by up to 15%.
- Powerful versatility: Offering two different mechanical configurations, 7 mechanical seal options, high-efficiency motors, and surface treatment options such as passivation, make the e-HM suitable for multiple applications.
- Compact and durable design: The smaller motor and space-saving design lets the e-HM fit where you need it. The balanced impeller reduces axial thrust by 40%, extending motor bearing life. A 20% thicker pump body enhances durability, increasing reliability.

Agency listing for e-HM configurations

- Single-phase up to 2 HP and three-phase models up to 3 HP



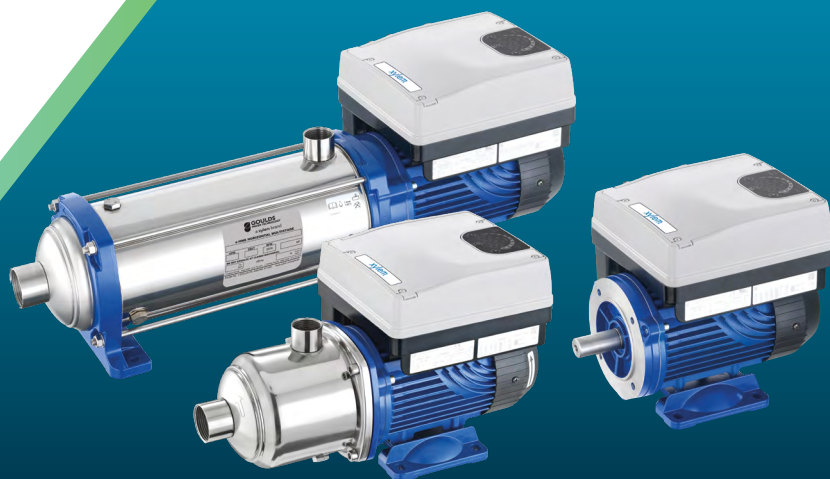
Tested to UL778 CAN 22.2 by
CSA International (Canadian
Standards Association)



Technical specifications

NSF 61 Certified	✓
Flow range	127 GPM (34 m3/h)
Maximum head	525' (157 m)
Maximum temperature	248° F (120° C)
Maximum pressure	230 psi (16 bar)
Input voltage	0.5 - 3 HP (0.37 - 2.2 kW)

e-HME

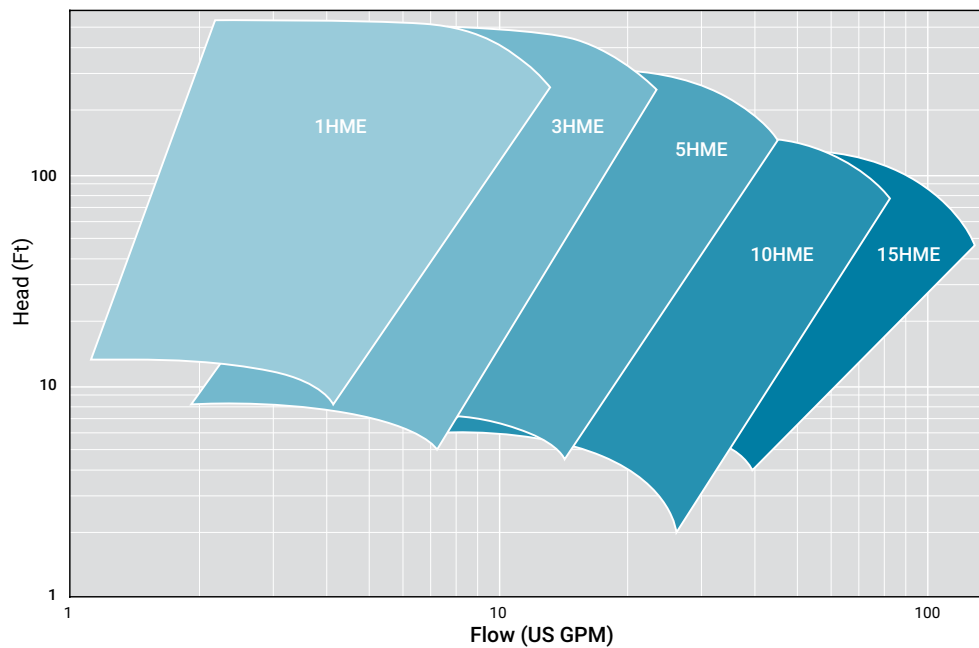


Applications

- Pressure boosting and water supply systems
- Industrial washing and cleaning
- Circulation of hot and cold liquids for heating, cooling and conditioning systems
- Water treatment

Features & benefits

- Features the Xylem Smart Motor an “ultra-premium” IE5 permanent, magnet motor, providing efficiency well above a standard IE3 NEMA premium efficient asynchronous motor
- Thick stainless steel casing, high-quality bearings, and stainless steel inner components minimize noise and guarantee long service life
- Certified for drinking water use (certified to the NSF/ANSI 61 Drinking Water System Components Standard)
- Options include AISI 304 or 316 pump body and inner components, electropolished and passivated, and mechanical seal or O-rings



Technical specifications

NSF 61 Certified	✓
Flow range	130 GPM (29 m³/h)
Maximum head (ft.)	540' (235 m)
Maximum temperature	250° F (120° C)
Maximum pressure	Compact pump designs: up to 145 psi (up to 10 bar) Sleeve pump designs: up to 230 psi (up to 16 bar)
Input voltage	0.5 - 3 HP (0.37 - 2.2 kW)

e-HMX

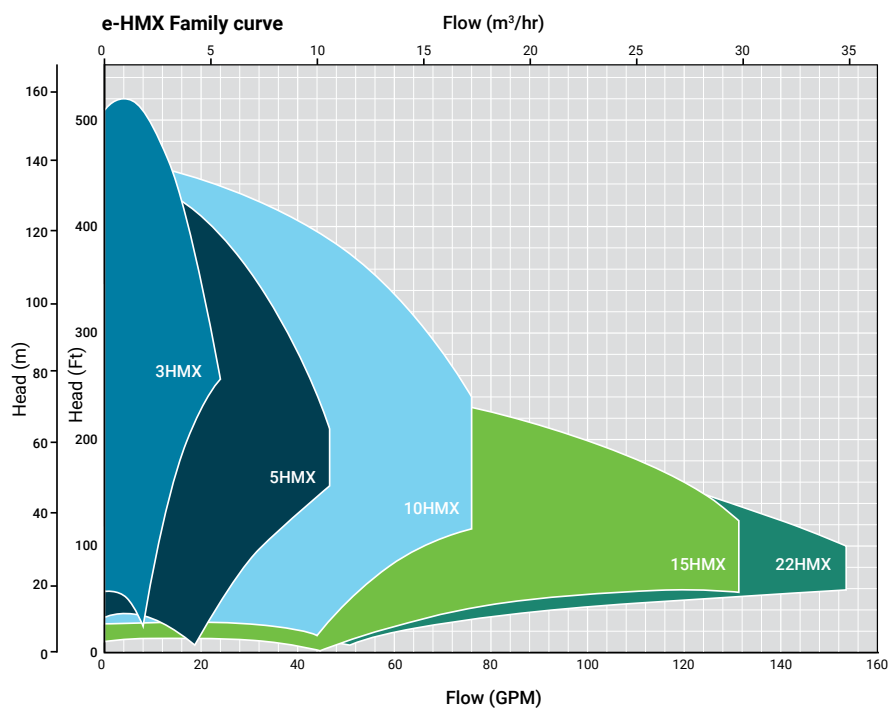


Applications

- Industrial washing and cleaning
- Food and beverage
- Industrial refrigeration
- Water treatment
- OEM custom applications

Features & benefits

- Simple: Built-in application software makes the hydrovar X one of the easiest drives to commission, program and operate, enabling virtually any configuration of pumps.
- Sustainable: No rare earth materials are used to minimize product availability challenges and address environmental concerns while offering smart technology and superior performance.
- Intelligent performance: Advanced system controls (up to 8 pumps) are customizable for a wide range of applications. The IE5 “ultra-premium” hydrovar X smart motor provides one of the broadest efficiency ranges in the industry.
- Ease of installation and maintenance: Integrated pump and hydrovar X motor design eliminates the need for additional wiring, labor and associated costs.
- Built-in protections: Integrated functions provide protection for the pump and motor while optimizing performance.
- Easy service: VFD and/or motor can be easily replaced individually, minimizing downtime and expensive repair.
- Compact motor design: hydrovar X motors offer higher performance with a reduced footprint when compared to Aquavar IPC solutions. Increased performance reduces electricity consumption and lowers life cycle costs.



Technical specifications

NSF 61 Certified	✓
Flow range	up to 150 GPM (34 m³/h)
Maximum head	up to 509 ft (155 m)
Maximum temperature	20°F to 248°F (-30°C to 120°C)
Maximum pressure	230 psi (16 bar)
Ambient temperature	-4°F to 122°F (-20°C to 50°C)

Xylem e-MP



e-MP multistage pumps get the job done in nearly any high-pressure application – with lower lifecycle costs, lower energy usage, long-term dependability and the versatility to handle a wide range of applications.

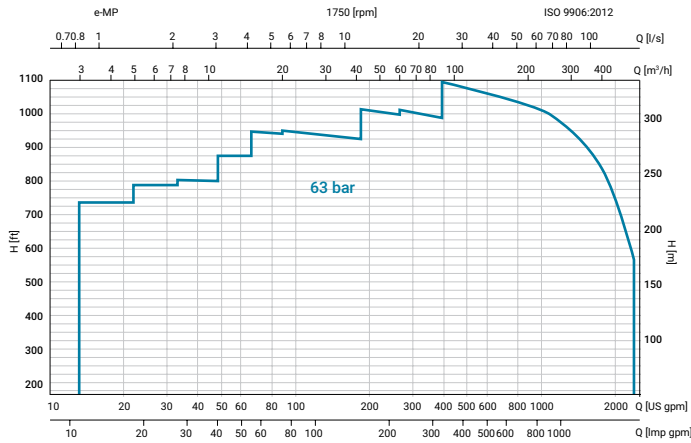
Applications

- Potable water boosting
- Water supply/transport/treatment
- Desalinization systems
- Oil condensate pumping
- Washing and cleaning systems
- Boiler feed
- Snow making
- Reverse osmosis systems
- Filter systems
- Washdown

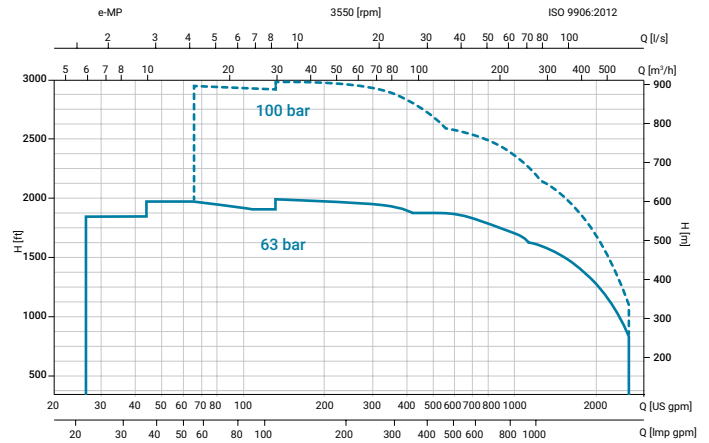
Features & benefits

- High suction capabilities provided by the e-MP's suction impeller ensures an NPSHR of less than 20 feet in most applications.
- The pump design allows access to the drive side bearing, the mechanical seal, and the balancing drum system without having to disassemble the pump from the piping enabling easier repairs in the field.
- Modular design minimizes the number of parts required and simplifies inventory management.
- The salient rounded edges of the U-turn channels in each stage casing ensure a balanced velocity allocation of the liquid being pumped, reducing losses, and increasing hydraulic efficiency from one stage to the next.
- High hydraulic efficiency and advanced channels configuration provide constant cross section and constant fluid speed inside the hydraulic, to create an ideal flow of pumped liquid from stage to stage.
- Angular bearings on discharge side enabling the pump to withstand higher leads, reduced friction, and improved efficiency

Hydraulic performance range at 60 Hz, 4-pole2



Hydraulic performance range at 60 Hz, 4-poles



Technical specifications

NSF 61 Certified

MPD and MPV

Flow range

2600 GPM (590 m³/h)

Maximum head

2100' (640 m)

Maximum temperature

284° F (140° C)

Maximum pressure

1450 psi (100 bar)



The e-MP & e-MPV stainless steel pump versions meet NSF/ANSI 61 and 372 certification standards.

GB and HB



Applications

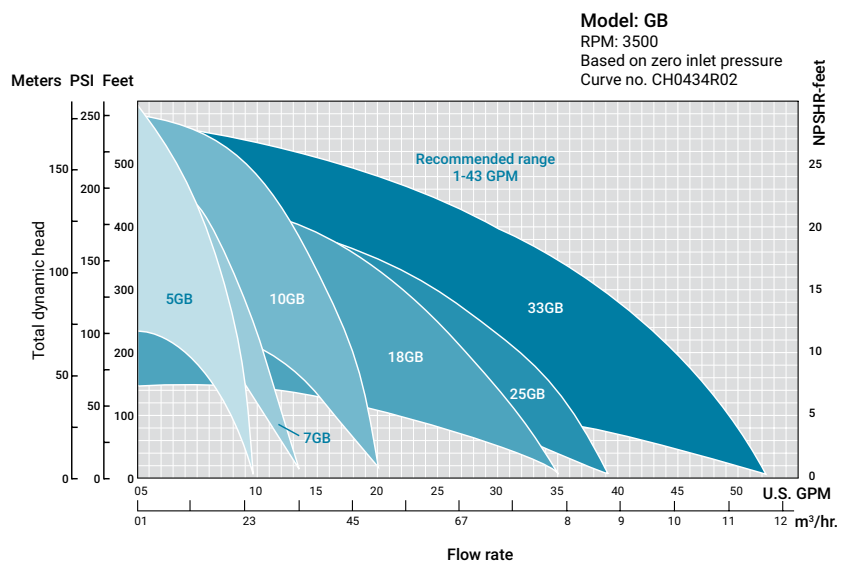
- Residential, commercial or agricultural pressure wash
- Reverse osmosis
- Evaporative cooling systems/misters
- Booster service
- Spray systems
- Water circulation
- Filtration
- HVAC
- General purpose pumping

Features & benefits

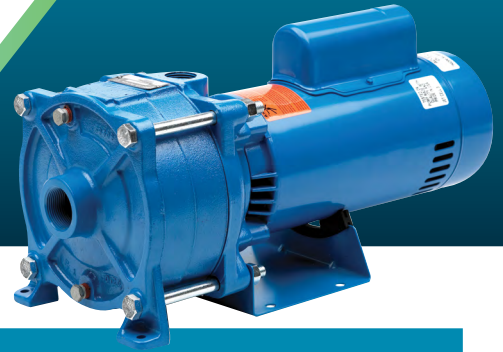
- Multi-stage design: Provides steady, quiet, vibration free, operation
- Optional stainless steel construction: Standard cast iron for general service or stainless for filtration applications
- O-ring casing seal: Reliable high pressure sealing with easy disassembly for maintenance or repair
- Impellers and diffusers: Glass filled engineered composite material with floating impeller design and high resistance to corrosion and abrasion
- Mechanical seal: A variety of face materials and elastomers to match application needs

Technical specifications

NSF 61 Certified	×
Flow range	43 GPM (10 m ³ /h)
Maximum head	600' (232 m)
Maximum temperature	160° F (71° C)
Maximum pressure	260 psi (17 bar)



HSC



Applications

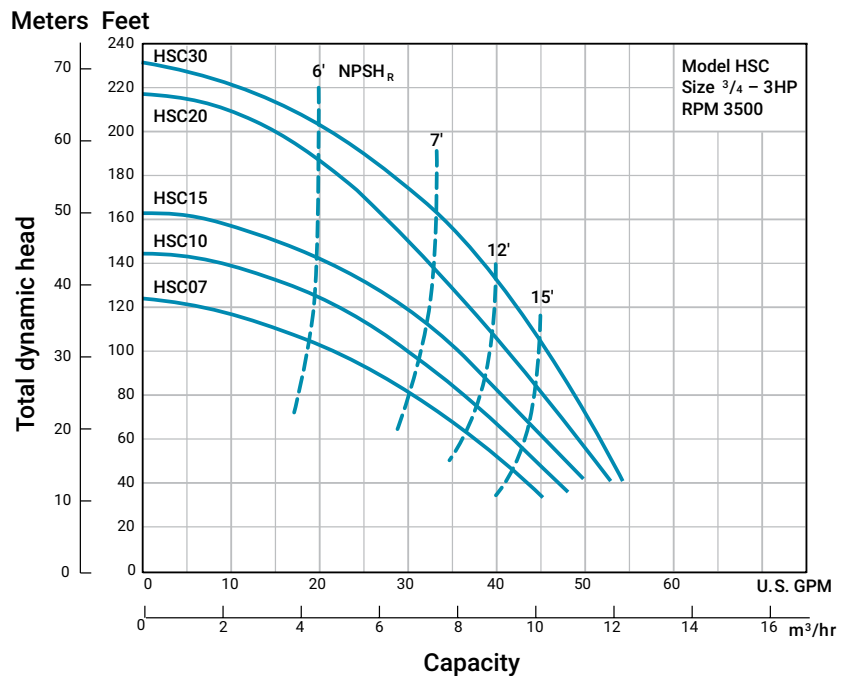
- General purpose pumping
- Water circulation
- Booster service
- Liquid transfer
- Spraying systems
- Jockey pump service

Features & benefits

- Multi-stage design: Provides steady, quiet and vibration-free operation for years of trouble-free service
- Compact design: Close-coupled, space saving design provides easy installation; flexible coupling and bedplate not required
- Easy to service: Can be taken apart for service by removing four bolts

Technical specifications

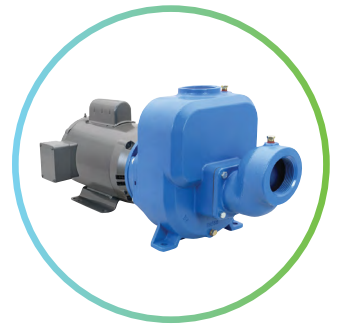
NSF 61 Certified	✗
Flow range	50 GPM (11 m ³ /h)
Maximum head	230' (70 m)
Maximum temperature	180° F (82° C)
Maximum pressure	125 psi (8 bar)





Single stage end suction

Our single stage end suction pumps are available in a wide range of sizes, materials, mounting options, and configurations. The compact designs are multipurpose, cost-effective, save space and are easy to maintain.



Prime Line SP



3642



3656/3756 M&L-Group



3656/3756 S-Group



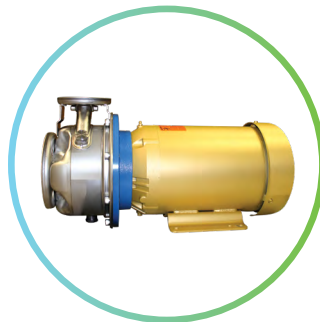
3657/3757



ICS



e-SHX



e-SH



MCC



MCS



NPE



NPO



LB

Prime Line SP



Applications

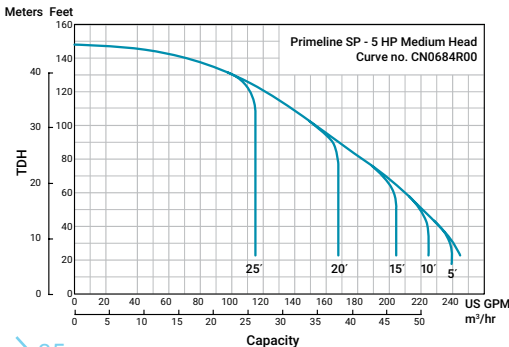
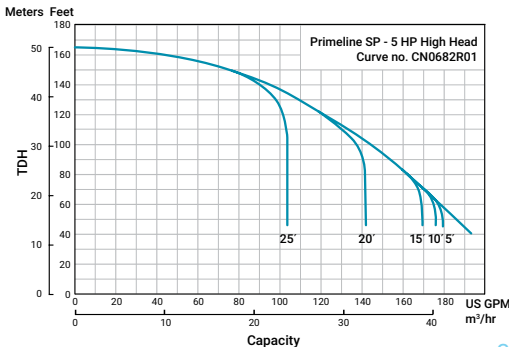
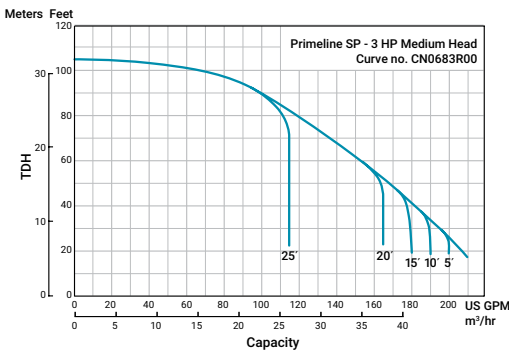
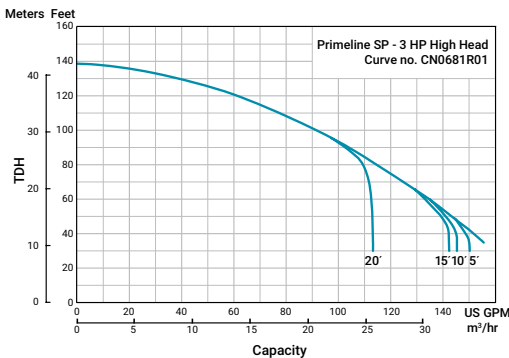
- Lawn irrigation
- Dewatering
- Liquid transfer

Features & benefits

- Casing and diffuser: Cast iron construction, featuring a back pull-out design with tapped connections provided for casing fill and drain, simplify pump start up and removal at the end of the season
- Mechanical seal: Constructed of carbon/ceramic faces, BUNA elastomers and 300 series stainless steel metal parts

Technical specifications

NSF 61 Certified	✓
Flow range	40 - 240 GPM (9 - 55 m ³ /h)
Maximum head (ft.)	165' (50 m)
Maximum temperature	160° F (71° C)



3642



Applications

- Water circulation
- Liquid transfer
- General purpose pumping
- Booster service
- Jockey pump service

Features & benefits

- Vertical or horizontal mounting capabilities
- Standard carbon/ceramic faced mechanical seal with BUNA elastomers, 300 series stainless steel components and optional seals available
- Motor is a close-coupled design with ball bearings that carry all radial/axial thrust loads, designed for continuous operation

Technical specifications

NSF 61 Certified



Flow range

9 - 110 GPM (2 - 25 m³/h)

Maximum head

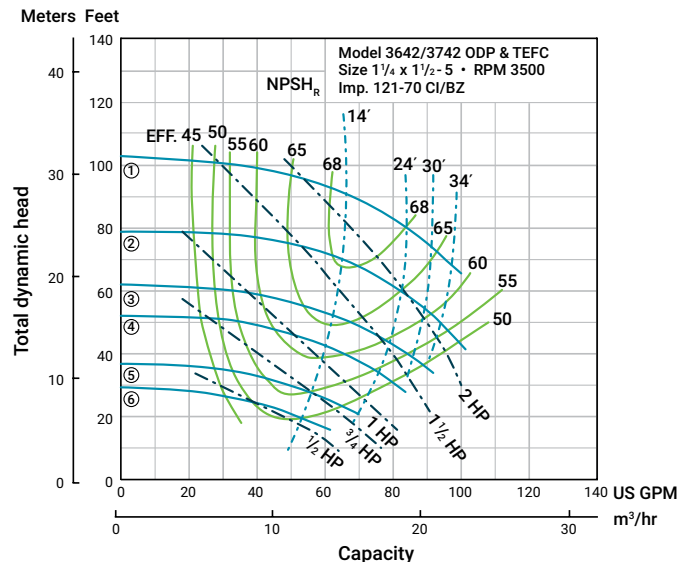
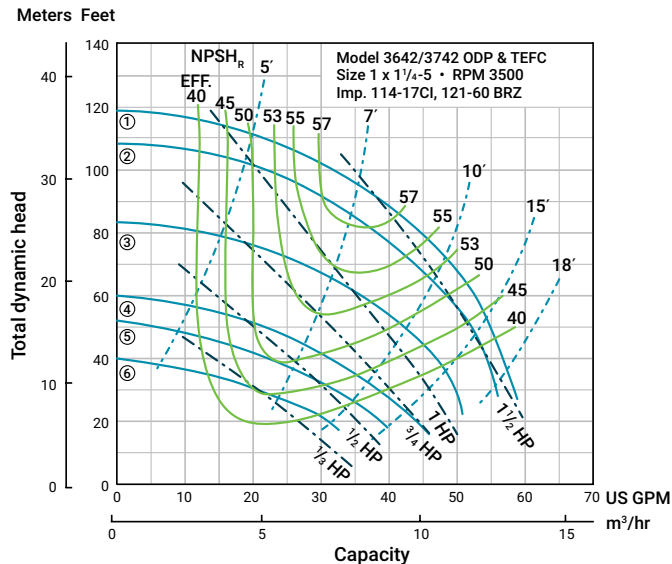
118' (36 m)

Maximum temperature

250° F (121° C)

Maximum pressure

125 psi (9 bar)



3656/3756 M&L-Group



Applications

- Booster service
- Spraying systems
- Irrigation
- Water circulation
- General purpose pumping

Features & benefits

- Rubber bellows seal for both reliability and availability, with carbon/ceramic/BUNA standard and other faces and elastomers available
- Available in all iron or bronze fitted construction for application versatility
- 125 lb ANSI flange suction/discharge connections and casing rotation for piping connection versatility
- Optional rigid carbon steel bedplate, sheet metal coupling guard and T. B. Woods spacer coupling for 3756 models

Technical specifications

NSF 61 Certified



Flow range

9 - 450 GPM (2 - 102 m³/h)

Maximum head (ft.)

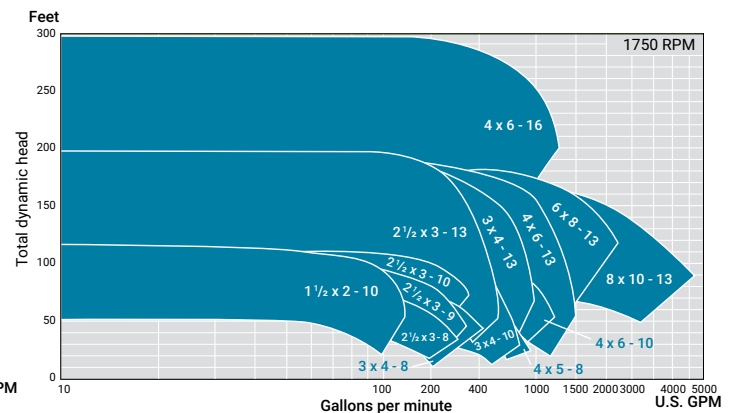
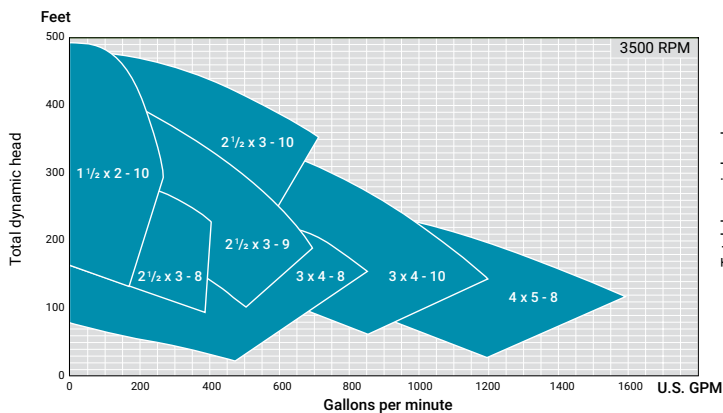
490' (149 m)

Maximum temperature

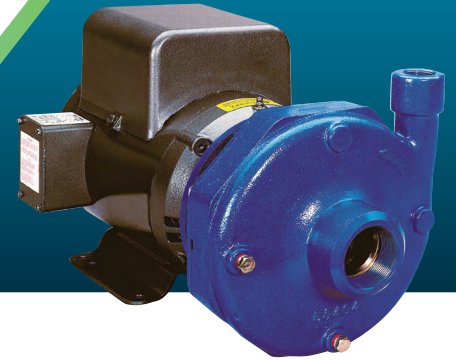
250° F (121° C)

Maximum pressure

200 psi (1379 kPa)



3656/3756 S-Group



Applications

- Booster service
- Spraying systems
- Irrigation
- Water circulation
- General purpose pumping

Features & benefits

- The model 3756 offers a bearing frame mounted design for flexibility of installation and drive arrangements
- Rubber bellows seal for both reliability and availability, with carbon/ceramic/BUNA standard and other faces and elastomers available
- 3656/3756 available in all iron, bronze fitted or all bronze construction for application versatility
- Suction and discharge pipe connections are NPT threaded, except 3 x 4 7 which has 125 lb. ANSI flat faced flanges

Technical specifications

NSF 61 Certified



Flow range

9 - 550 GPM (0.5 - 35 L/S)

Maximum head

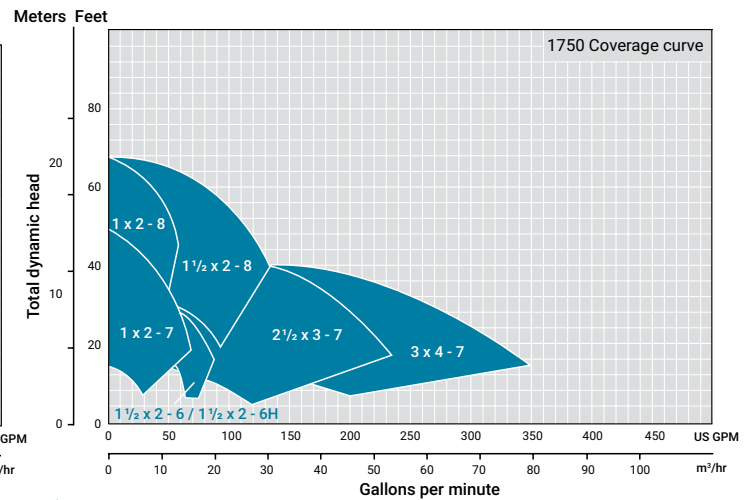
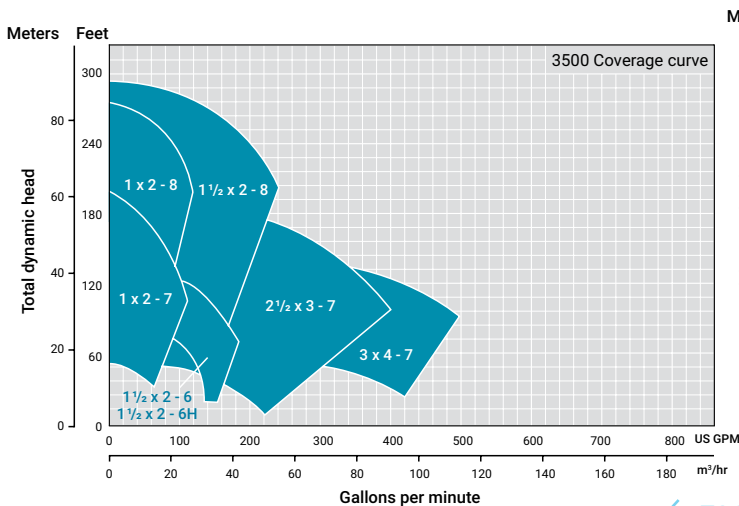
280' (85 m)

Maximum temperature

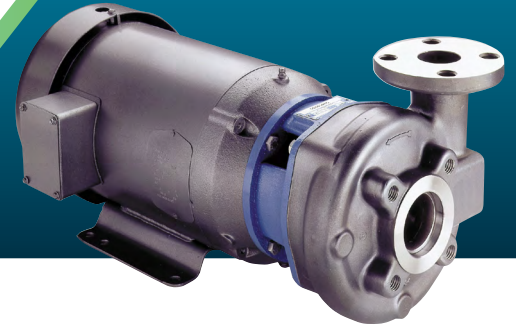
250° F (121° C)

Maximum pressure

175 psi (1207 kPa)



3657/3757



Applications

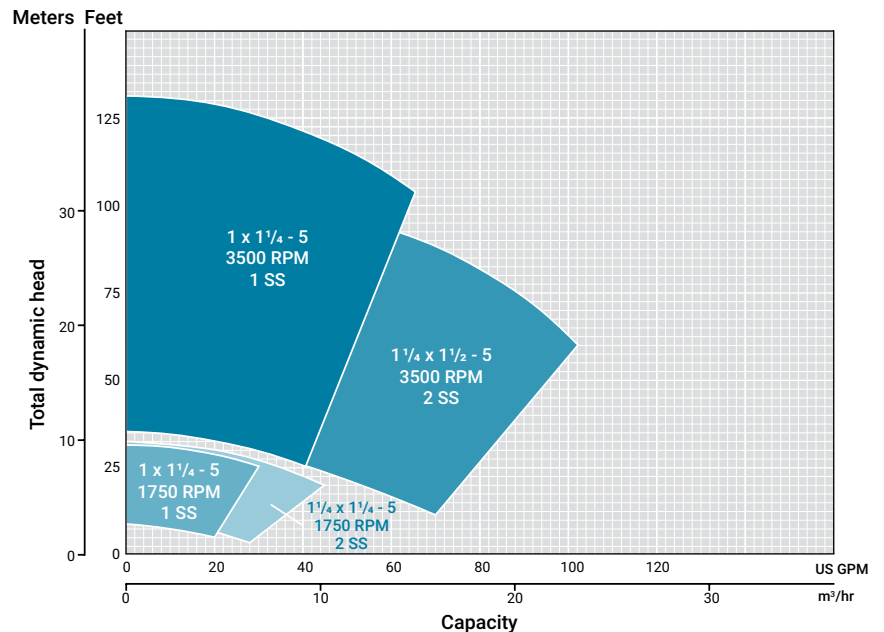
- Pure water feed or transfer
- Chemical feed or transfer
- Water reclamation and treatment

Features & benefits

- Casing features: Investment cast AISI type 316 stainless steel, volute design for maximum efficiency. Vertical discharge standard, field modifiable to four standard positions.
- Mechanical seals: Standard John Crane Type 21 seal with carbon versus ceramic faces, Viton elastomers and 316 stainless steel metal components. Options are available for high temperature and mild abrasives.
- Drive motors: NEMA standard JM frame (close coupled) or T frame (frame mounted) are available in both single and three phase with a variety of enclosures and voltages to match your service requirements.

Technical specifications

NSF 61 Certified	✓
Flow range	5 - 500 GPM (1 - 114 m ³ /h)
Maximum head	300' (91 m)
Maximum temperature	250° F (121° C)
Maximum pressure	175 psi (12 bar)



ICS



Applications

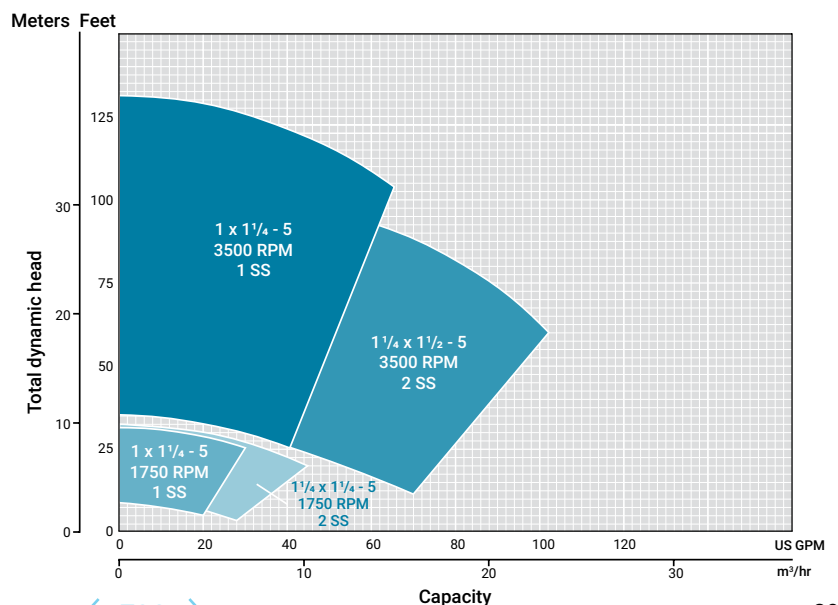
- Designed for ultra pure water, chemical and general services
- Washer equipment
- Ultra pure water systems
- Chemical transfer
- Water reclamation and treatment

Features & benefits

- Superior materials of construction: Precision investment cast 316 stainless steel liquid end components for corrosion resistance and strength.
- Open impeller design: Spherical handling to 3/8" reduces chance of clogging and required maintenance time.
- Casing features: Investment cast 316 stainless steel construction with NPT threaded suction and discharge, optional drain and vent with stainless steel plugs. Four position discharge orientation.
- Mechanical seals: Standard John Crane Type 21 seal with carbon versus ceramic faces, Viton elastomers and 316 stainless steel metal parts. Optional seals are available for high temperature and mild abrasive services.
- Drive motors: NEMA standard 56J frame motors with rugged ball bearing design for continuous duty. Versions are available in both single and three phase with a variety of enclosures and voltage to match your service requirements.

Technical specifications

NSF 61 Certified	✓
Flow range	5 - 500 GPM (1 - 114 m³/h)
Maximum head	300' (91 m)
Maximum temperature	250° F (121° C)
Maximum pressure	175 psi (12 bar)



e-SHX

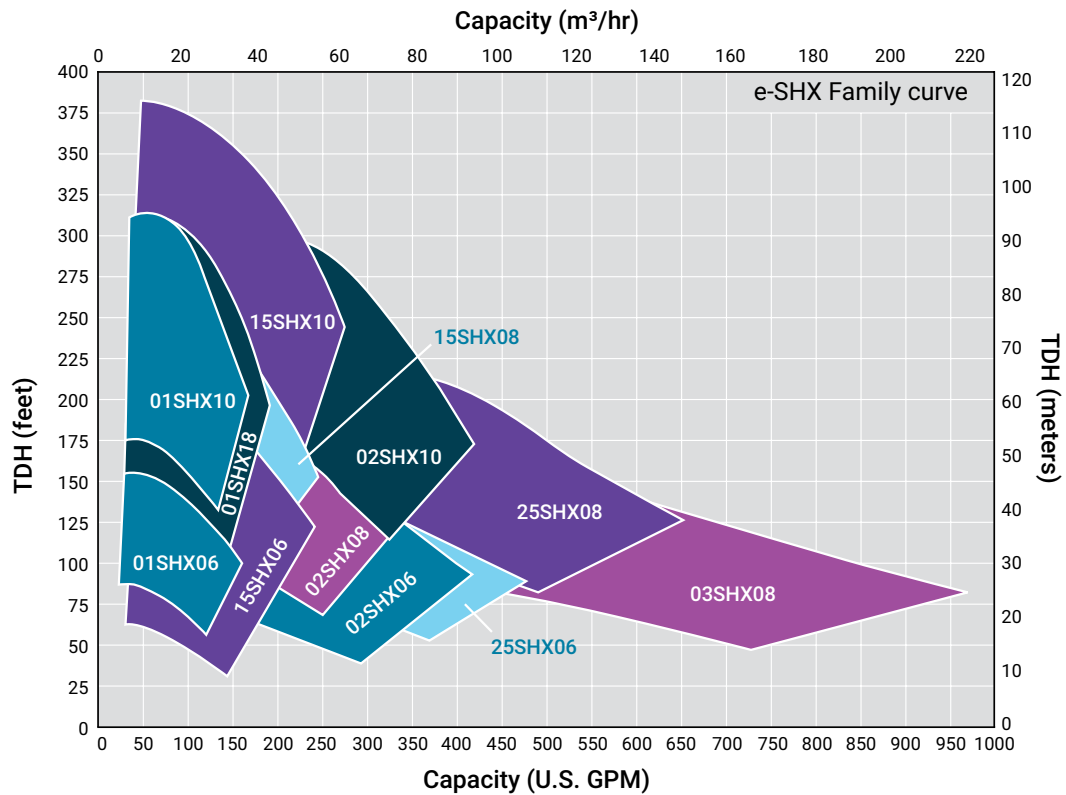


Applications

- Water intake
- Water transfer and circulation
- Pressure boosting
- Process cooling and heating
- Fluid transfer and transport
- Produced water transfer and boosting
- Boiler feed booster

Features & benefits

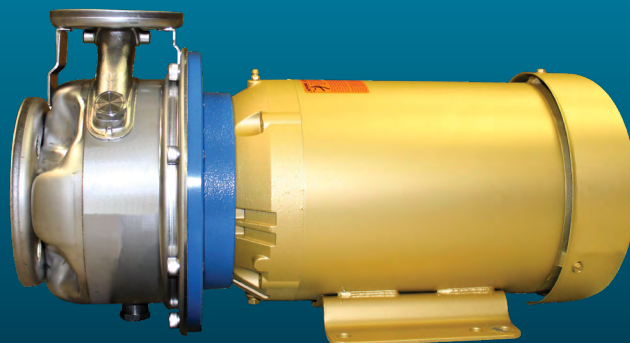
- Simple: Built-in application software makes the drive one of the easiest to commission, program and operate, enabling virtually any configuration of pumps.
- Sustainable: No rare earth materials are used to minimize product availability challenges and address environmental concerns while offering smart technology and superior performance.
- Intelligent performance: Advanced system controls (up to 8 pumps) are customizable for a wide range of applications. The IE5 “ultra-premium” hydrovar X smart motor provides one of the broadest efficiency ranges in the industry.
- Built-in protections: Integrated functions provide protection for the pump and motor while optimizing performance.
- Compact motor design: e-SHX Smart Pumps offer increased performance to 4000 RPM, reduce electricity consumption and lower life cycle costs.
- Easy service: Separate quick connect components allow users to replace the drive or the motor independently minimizing downtime and expensive repair. The integrated electrical socket requires no additional wiring, allowing a true plug and play solution versus buying a new motor and drive combination.



Technical specifications

NSF 61 Certified	✓
Flow range	up to 970 GPM (220 m³/h)
Maximum head	up to 380 ft (116 m)
Maximum temperature	up to 250°F (121°C)
Maximum pressure	230 psi (16 bar)
Ambient temperature	-4°F to 122°F (-20°C to 50°C)

e-SH



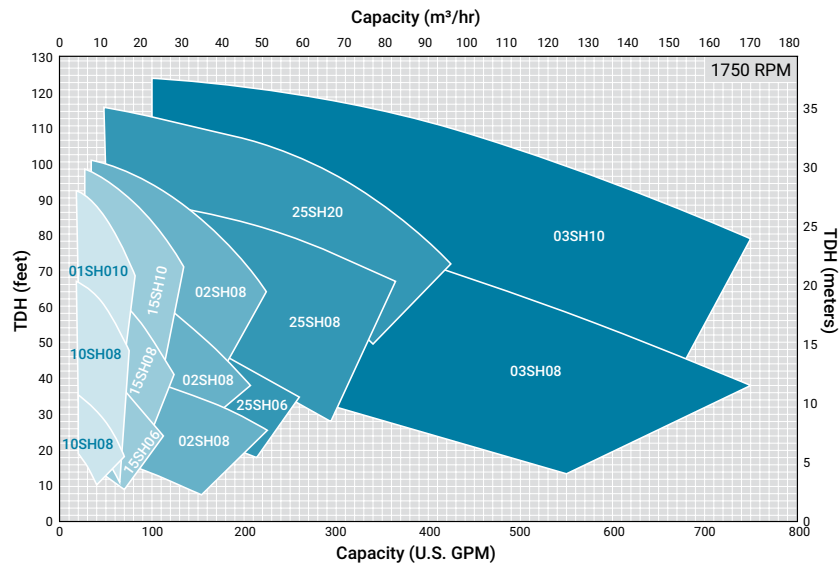
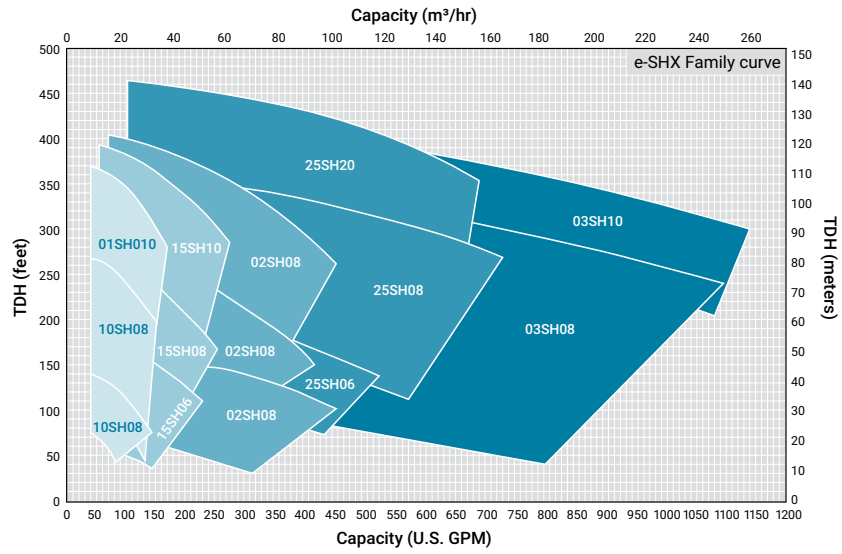
The e-SH end suction pump is designed to provide better efficiency and performance to help you meet your operational needs in a wide range of applications.

Applications

- Water transfer and circulation
- Pressure boosting
- Process cooling and heating
- Produced water transfer and boosting
- Salt water transfer
- Boiler feed booster

Features & benefits

- Close-coupled compact design that saves space and simplifies maintenance
- Frame mounted flexible-coupled with cast iron power frame (grease lubricated ball bearing assembly)
- AISI 316 stainless steel construction for reduced corrosion and improved strength and ductility



Technical specifications

NSF 61 Certified



Flow range

20 - 1140 GPM (5 - 260 m^3/h)

Maximum head

464' (141 m)

Maximum temperature

250° F (121° C)

Maximum pressure

230 psi (1586 kPa)

MCC



Applications

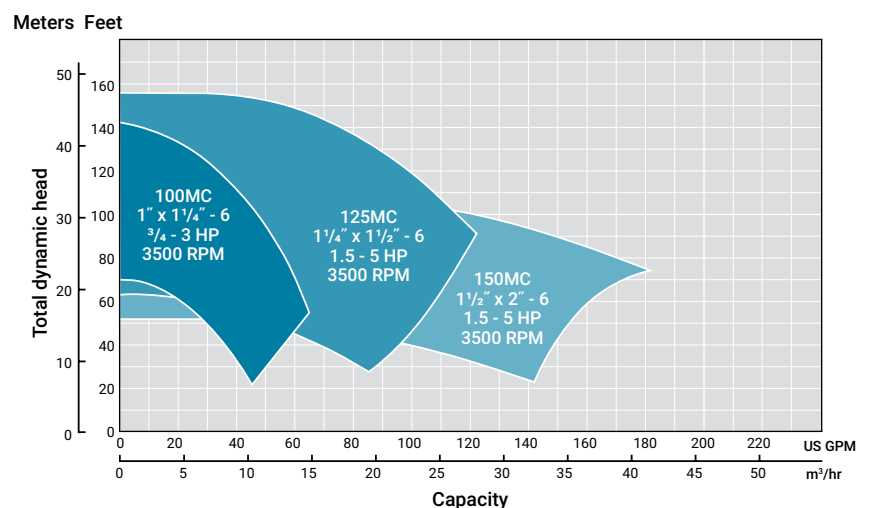
- Water circulation
- Booster service
- Liquid transfer
- Spray system
- Chillers
- Injection molding cooling
- Jockey pumps
- OEM applications

Features & benefits

- Superior materials of construction: AISI 316L stainless steel impeller and seal housing for corrosion resistance, and improved strength and ductility. Cast iron casing for strength and durability.
- Casing: Cast iron construction with NPT threaded, centerline connections, easily accessible vent, prime and drain connections. Nine position casing rotation for easy piping.
- Mechanical seal: Standard John Crane seal with carbon ceramic faces, BUNA elastomers, and stainless metal parts. Optional high temperature and chemical duty seals available.

Technical specifications

NSF 61 Certified	✓
Flow range	8 - 180 GPM (2 - 50 m ³ /h)
Maximum head	156' (48 m)
Maximum temperature	250° F (121° C)
Maximum pressure	125 psi (9 bar)



MCS



Applications

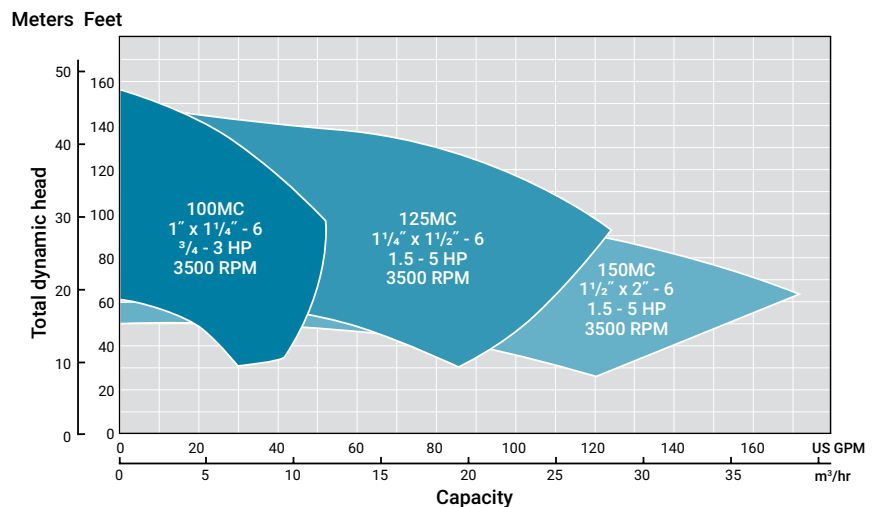
- Water circulation
- Booster service
- Liquid transfer
- Spray system
- Chillers
- Injection molding cooling
- Jockey pumps
- OEM applications

Features & benefits

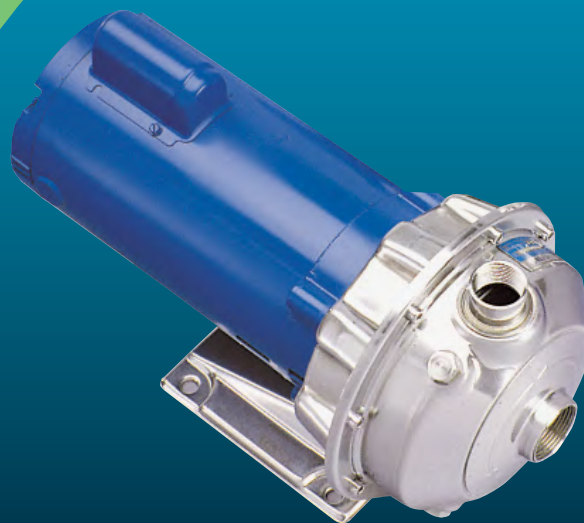
- Superior materials of construction: AISI 304 and 316L stainless steel liquid handling components for corrosion resistance, quality appearance, and improved strength and ductility.
- Mechanical seal: Standard John Crane seal with carbon ceramic faces, BUNA elastomers, and stainless metal parts. Optional high temperature and chemical duty seals available.
- NSF 61 certification: Pumps assembled at the factory are certified to the NSF/ANSI 61 Drinking Water System Components Standard (BUNA Seal versions are not NSF Certified).

Technical specifications

NSF 61 Certified	✓
Flow range	8 - 170 GPM (30 - 550 l/min)
Maximum head	150' (46 m)
Maximum temperature	250° F (121° C)
Maximum pressure	125 psi (9 bar)



NPE



The NPE's close coupled compact, flexible design has corrosion resistance and improved durability to save space, simplify maintenance, and handle continuous duty under all conditions.

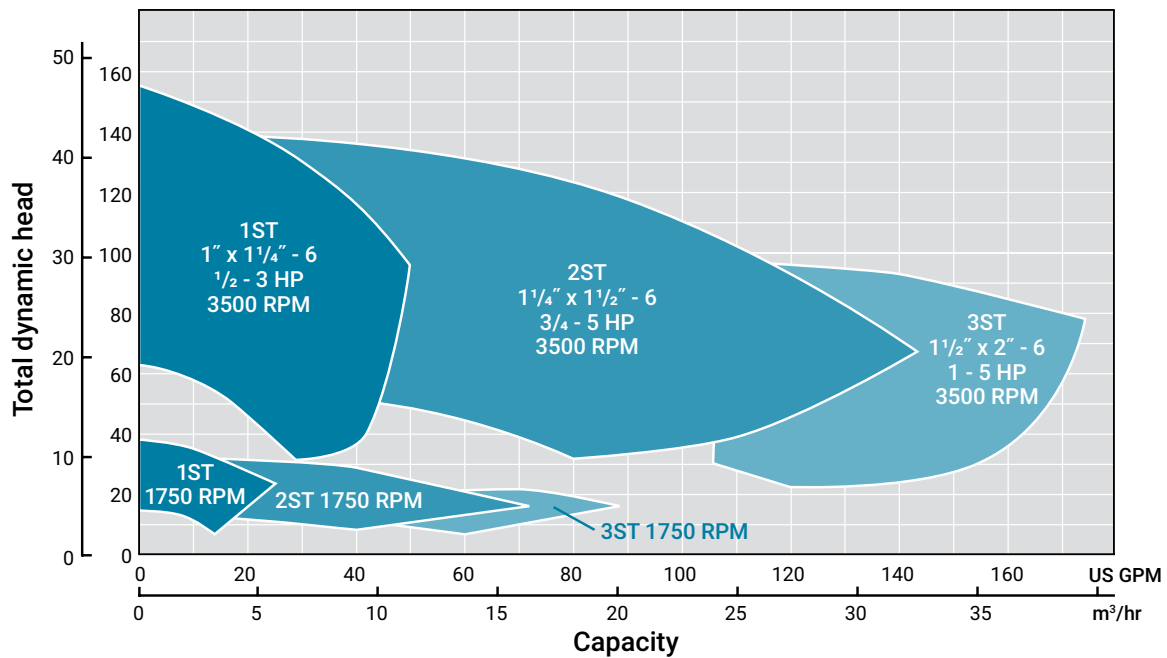
Applications

- Water circulation
- Booster service
- Liquid transfer
- Spray system
- General water services

Features & benefits

- Motors: NEMA standard open drip-proof, totally enclosed fan cooled or explosion proof enclosures. Rugged ball bearing design for continuous duty under all operating conditions.
- Mechanical seal: Standard John Crane Type 21 with carbon versus silicon-carbide faces, Viton elastomers, and 316 stainless metal parts. Optional high temperature and chemical duty seals available.
- Casing and adapter features: Stainless steel construction with NPT threaded, centerline connections, easily accessible vent, prime and drain connections with stainless steel plugs. Optional seal face vent/flush available.

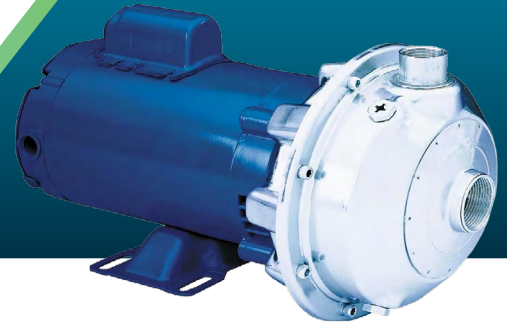
Meters Feet



Technical specifications

NSF 61 Certified	✓
Flow range	4 - 170 GPM (15 - 643 L/min)
Maximum head	150' (46 m)
Maximum temperature	250° F (121° C)
Maximum pressure	125 psi (9 bar)

NPO



Applications

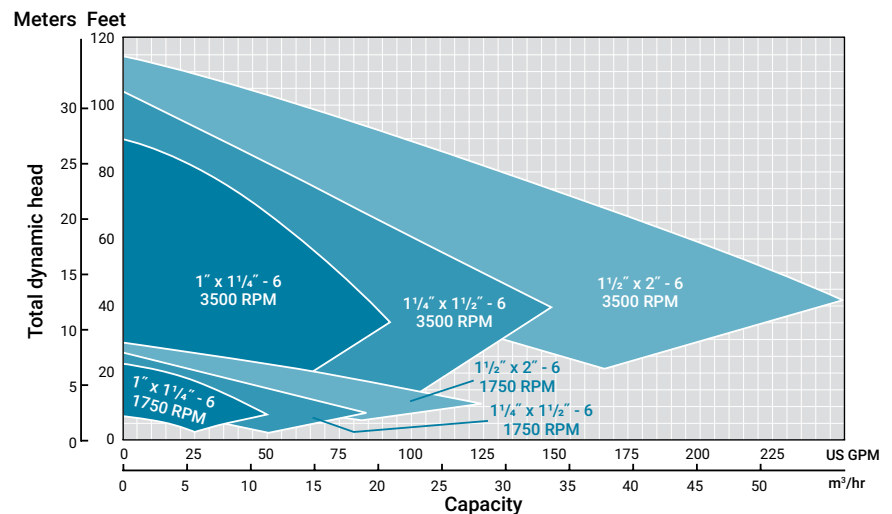
- Dishwashers
- Bottle and glass washers
- Commercial laundry systems
- Parts washers
- Machine tool coolant
- Liquid transfer
- Water circulation
- Spray system
- Chillers
- Washing/cleaning systems
- Air scrubbers
- Filtration systems
- OEM applications
- General water services

Features & benefits

- Open impeller design passes up to 3/8" solids including food particles, lint, metal filings, and other wash residue
- Standard John Crane type 21 mechanical seals with carbon versus ceramic faces and viton elastomers with optional high temperature and chemical duty seals available
- The NPO can be installed in either a horizontal or vertical position with an optional seal chamber vent available

Technical specifications

NSF 61 Certified	✓
Flow range	5 - 200 GPM (19 - 550 L/min)
Maximum head	100' (50 m)
Maximum temperature	250° F (121° C)
Maximum pressure	125 psi (9 bar)



LB



Applications

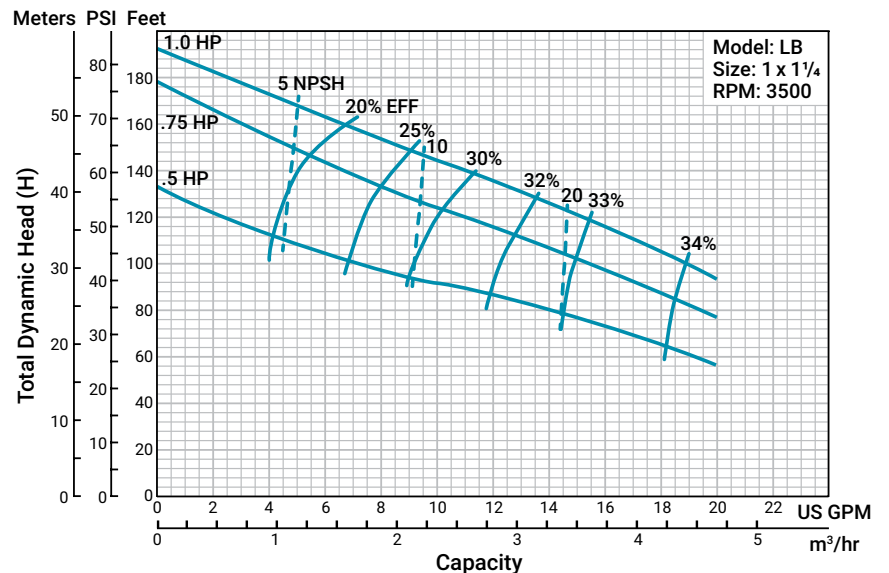
- R/O systems
- Chillers
- Potable water boosting

Features & benefits

- High head water boosting: The LB booster pump provides an economical alternative for small booster sets with flow requirements up to 18 GPM and heads up to 190 feet
- Engineered thermoplastic internal components: Impellers, guide vanes and motor adapters are high strength and light weight engineered composite
- Motors: NEMA standard 48Y and 56Y open drip proof enclosures with optional single phase, three phase or 575 volt TEFC configuration

Technical specifications

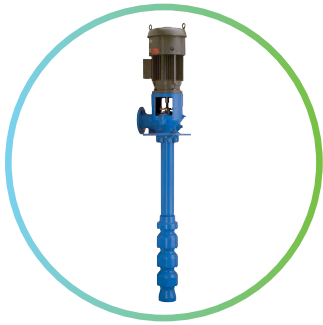
NSF 61 Certified	✓
Flow range	3 - 20 GPM (0.7 - 4.6 m ³ /h)
Maximum head	190' (57 m)
Maximum temperature	140° F (60° C)
Maximum pressure	85 psi (6 bar)



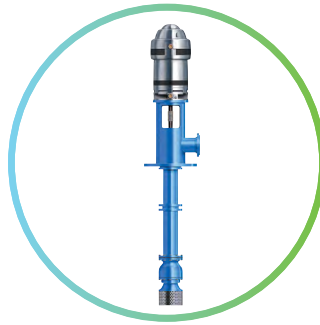


Vertical turbines

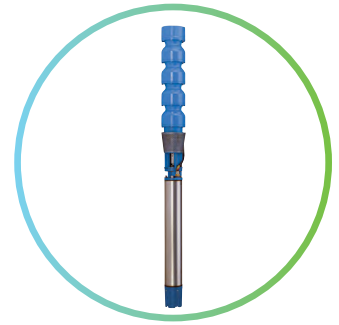
Xylem's vertical turbines solve complex applications while ensuring reliability, efficiency, and uptime with models for every application, including corrosive/abrasive and high/low pressure. Our vertical turbines can be multi-staged for tremendous flexibility and future system changes, while utilizing common hydraulic designs for the pump bowl assembly and multiple construction materials available to suite every need.



VIC -
Canned Lineshaft



VIT -
Short Set Lineshaft



VIS -
Submersible (Borehole)

VIC - Canned lineshaft



Applications

- Commercial & industrial water supply
- Municipal water and wastewater
- Booster systems & packaged pump stations
- Plant water systems
- Storage terminal transport & boosting
- Waste water treatment
- Potable
- Crude oil

Technical specifications

NSF 61 Certified



Flow range

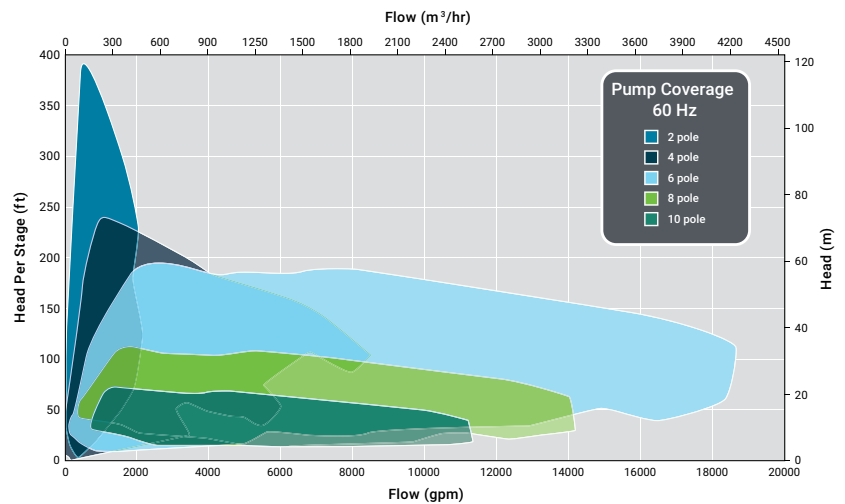
50 - 70,000 GPM
(11 - 15900 m³/h)

Maximum head

Per stage: 5 - 375'
(1 - 114 m)

Features & benefits

- Hydraulic coverage from 50 - 70,000 GPM
- Options for low-NPSHa conditions and suction lift concerns
- Customizable configurations for site-specific needs



VIT - Short Set Lineshaft



Applications

- Industrial process pumps
- Municipal water and wastewater
- Storage terminal transport
- Mine dewatering
- Dewatering and flood control

Features & benefits

- Hydraulic coverage from 50 - 70,000 GPM
- Options for low-NPSHa conditions and suction lift concerns
- Customizable configurations for site-specific needs, such as above/below ground discharge

Technical specifications

NSF 61 Certified

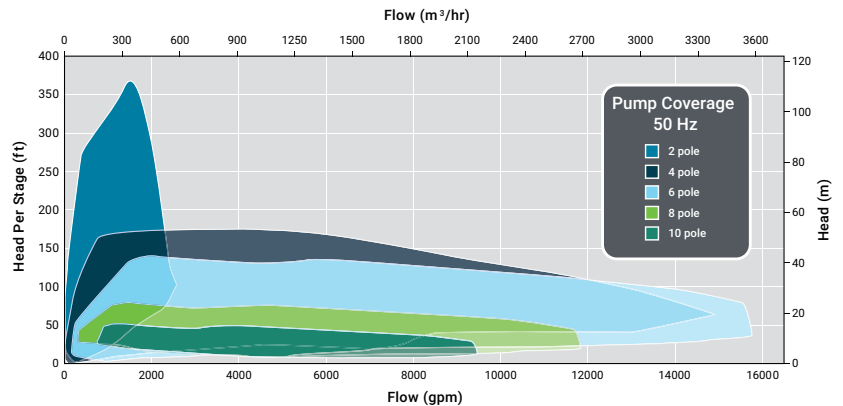


Flow range

50 - 70,000 GPM
(11 - 13,627 m³/h)

Maximum head

Per stage: 5 - 375'
(1.5 - 114 m)



VIS - Submersible (Borehole)



Applications

- Deep set applications where use of lineshaft pumps is impractical
- Municipal
- Wastewater plants
- Commercial/Industrial
- Irrigation
- Dewatering
- Mining
- Cooling tower
- Snowmaking

Features & benefits

- Customizable configurations for site-specific needs
- Inground installation results in space-saving, quiet operation
- Designed for minimal maintenance and long pump life

Technical specifications

NSF 61 Certified

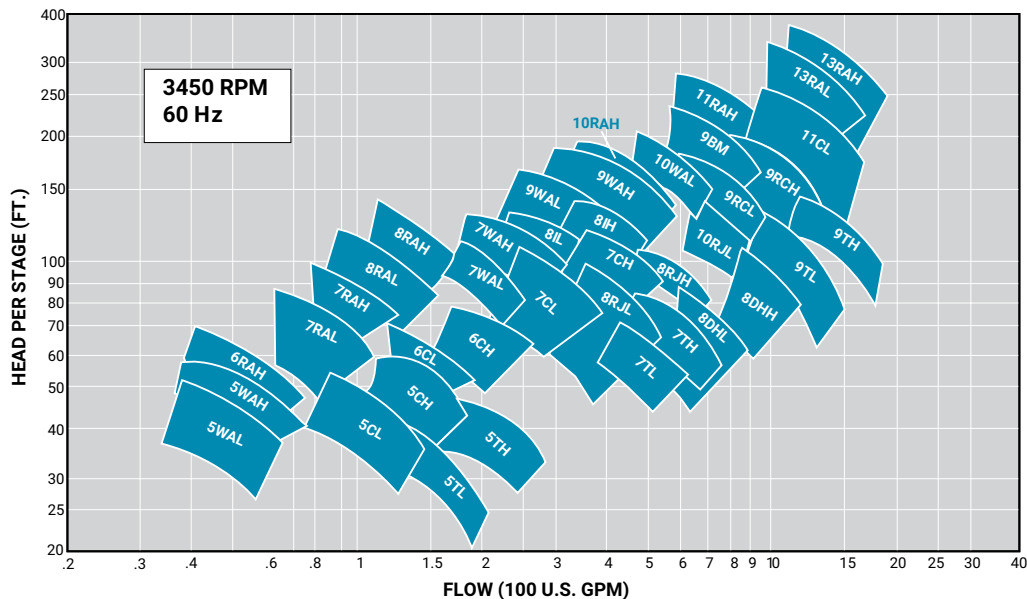


Flow range

50 - 3,000 GPM (11 - 681 m³/h)

Maximum head

Per stage: 5 - 375' (1.5 - 114 m)





Wastewater

Our tough, reliable wastewater pumps are thoroughly proven to devour solids and fibers, and resist clogging. Plus, they're backed by the expertise and support of a dedicated team from a trusted leader that's been delivering innovative wastewater solutions for over 170 years, including superior seal strength, built in the USA products, and a wide range of products and horsepower.



2ED



3885 - WE Series



3886 - WS Series



**3887 - WS_BF &
WS_BHF Series**



3888D3 - WS D3 Series



3888D4 - WS D4 Series



3SD



4SD



4NS



1GD

2ED



Applications

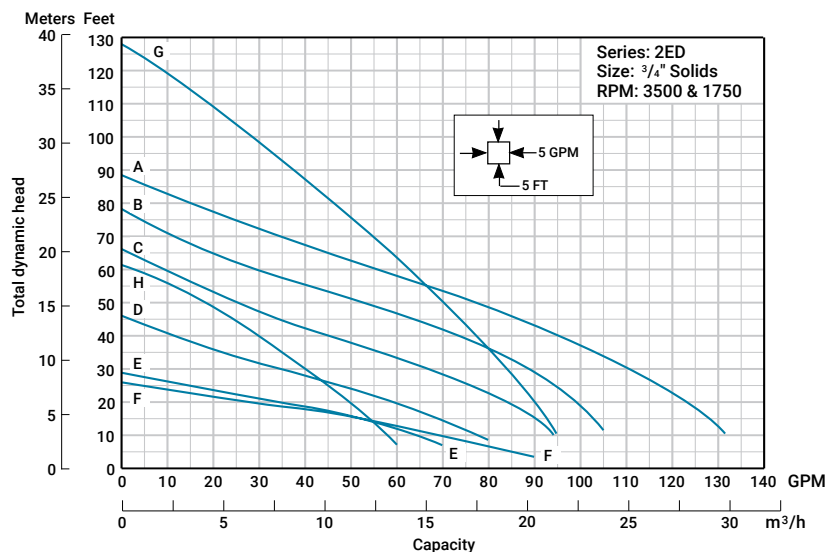
- Farms
- Motels
- Hospitals
- Trailer courts
- Schools
- Industry
- Effluent systems

Features & benefits

- Dual seal effluent pump with seal fail sensor probe (seal fail circuit required in panel)
- Impeller: Cast iron, semi-open, non-clog with pump-out vanes for mechanical seal protection. Balanced for smooth operation. Silicon bronze impeller available as an option.
- Casing: Cast iron volute type for maximum efficiency. 2" NPT discharge.
- Dual Mechanical Seals Lower: Silicon Carbide vs. Silicon Carbide sealing faces. Stainless steel metal parts, BUNA-N elastomers. Upper: Carbon vs. ceramic sealing faces. Stainless steel metal parts, BUNA-N elastomers.
- Shaft: Corrosion resistant, stainless steel. Threaded design. Lock nut on all models to guard against component damage on accidental reverse rotation.
- Fasteners: 300 series stainless steel.
- Capable of running dry without damage to components.
- Designed for continuous operation when fully submerged.

Technical specifications

Flow range	130 GPM (29.53 m ³ /h)
Maximum head	128' (39 m)
Maximum temperature	Continuous: 104° F (40° C) Intermittent: 140° F (60° C)



3885 - WE Series



Applications

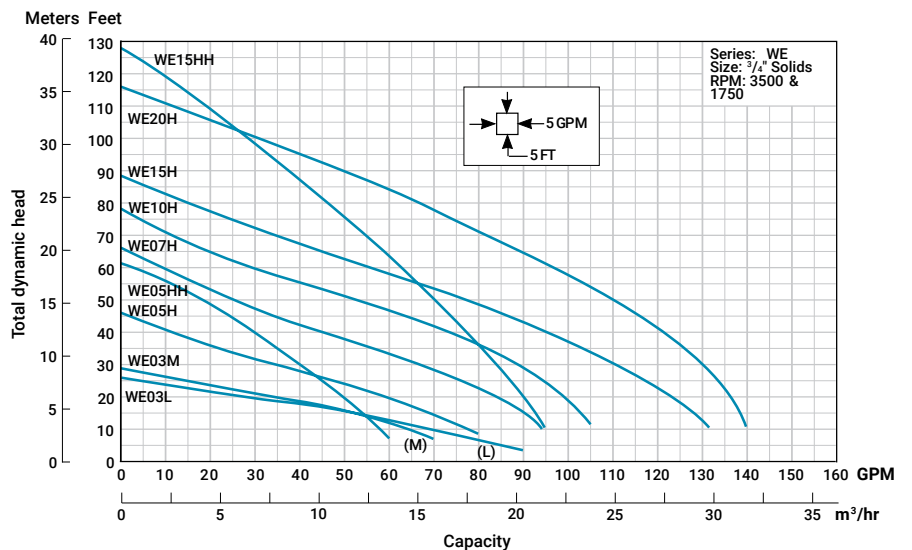
- Homes
- Farms
- Trailer courts
- Motels
- Schools
- Hospitals
- Industry
- Effluent systems

Features & benefits

- Impeller: Cast iron, semi-open, non-clog with pump-out vanes for mechanical seal protection. Balanced for smooth operation. Silicon bronze impeller available as an option.
- Casing: Cast iron volute type for maximum efficiency. 2" NPT discharge.
- Mechanical Seal: Silicon Carbide vs. Silicon Carbide sealing faces. Stainless steel metal parts, BUNA-N elastomers
- Shaft: Corrosion-resistant, stainless steel. Threaded design. Locknut on all models to guard against component damage on accidental reverse rotation.
- Fasteners: 300 series stainless steel. Capable of running dry without damage to components. Designed for continuous operation when fully submerged.

Technical specifications

Flow range	140 GPM (32 m ³ /h)
Maximum head	128' (39 m)
Maximum temperature	Continuous: 104° F (40° C) Intermittent: 140° F (60° C)



3886 - WS Series



Applications

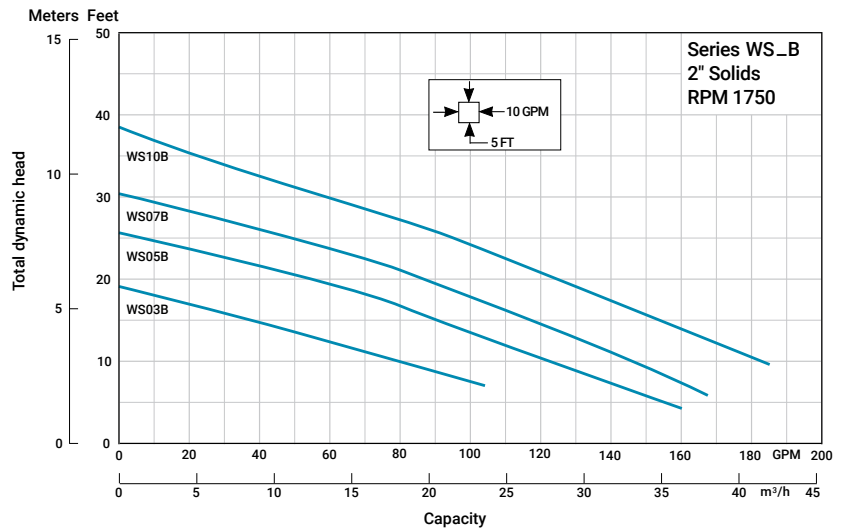
- Homes
- Sewage systems
- Dewatering/effluent
- Water transfer

Features & benefits

- Impeller: Cast iron, semi-open, dynamically balanced, non-clog with pump out vanes for mechanical seal protection. Optional Silicon bronze impeller available.
- Casing: Cast iron volute type for maximum efficiency. Designed for easy installation on A10-20 guide rail or base elbow rail systems.
- Shaft: Corrosion-resistant stainless steel. Threaded design. Locknut on all models to guard against component damage on accidental reverse rotation.

Technical specifications

Flow range	185 GPM (42 m ³ /h)
Maximum head	38' (12 m)
Maximum temperture	Continuous: 104° F (40° C) Intermittent: 140° F (60° C)



3887 (WS_BF & WS_BHF) Series



Applications

- Homes
- Water transfer
- Light industrial
- Sewage systems
- Light commercial
- Dewatering/effluent

Features & benefits

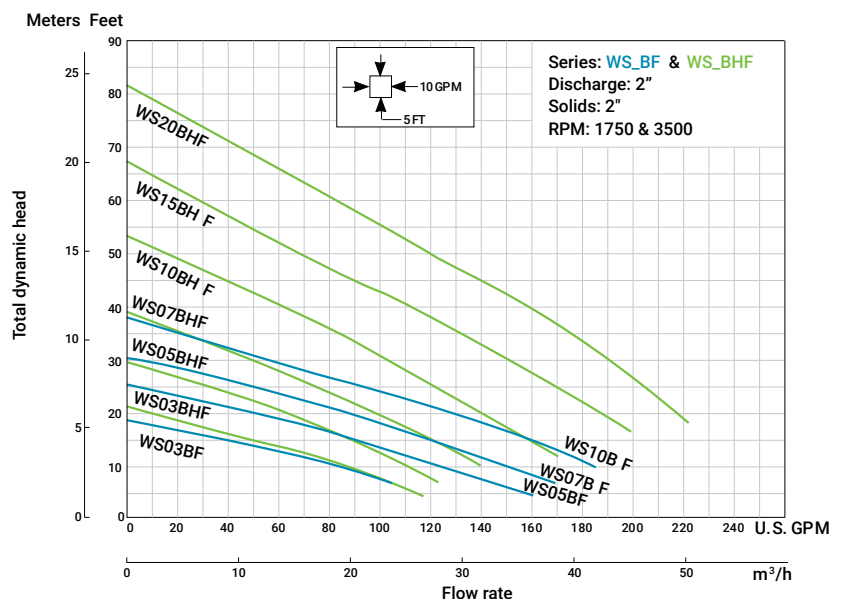
- Cast iron, semi-open, dynamically balanced, non-clogging impeller with pump-out vanes for mechanical seal protection (an optional silicon bronze impeller is available)
- Cast iron volute type casing for maximum efficiency, which is designed for easy installation
- Mechanical seal with silicon carbide vs. silicon carbide sealing faces for superior abrasion resistance, stainless steel parts and BUNA-N elastomers
- Corrosion-resistant, stainless steel shaft with a threaded design
- Locknut to guard against component damage on accidental reverse rotation
- 300 series stainless steel fasteners
- Capable of running dry without damaging the components
- Designed for continuous operation when fully submerged

Technical specifications

Flow range 220 GPM (49 m³/h)

Maximum head 81' (25 m)

Maximum temperature Continuous: 104° F (40° C)
Intermittent: 140° F (60° C)



3888D3 - WS D3 Series



Applications

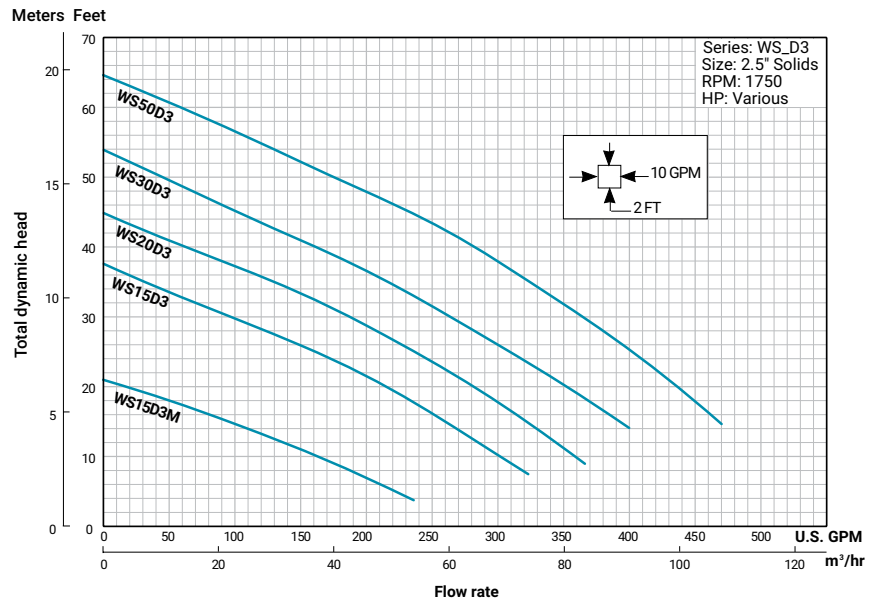
- Sewage system
- Flood and pollution control
- Dewatering
- Farms
- Hospitals
- Trailer courts
- Motels

Features & benefits

- Cast Iron, two vane semi-iron, non-clog impeller with pump-out vanes for mechanical seal protection
- Heavy Duty cast iron, volute type casing for maximum efficiency
- 2.5" solids handling capabilities
- Capable of running dry temporarily without damage to seals or motor.
- Designed for continuous operation when fully submerged

Technical specifications

Flow range	470 GPM (107 m ³ /h)
Maximum head	65' (20 m)
Maximum temperature	Continuous: 104° F (40° C) Intermittent: 140° F (60° C)



3888D4 – WS D4 Series



Applications

- Motels
- Farms
- Hospitals
- Trailer courts
- Sewage systems
- Flood and pollution control
- Dewatering

Features & benefits

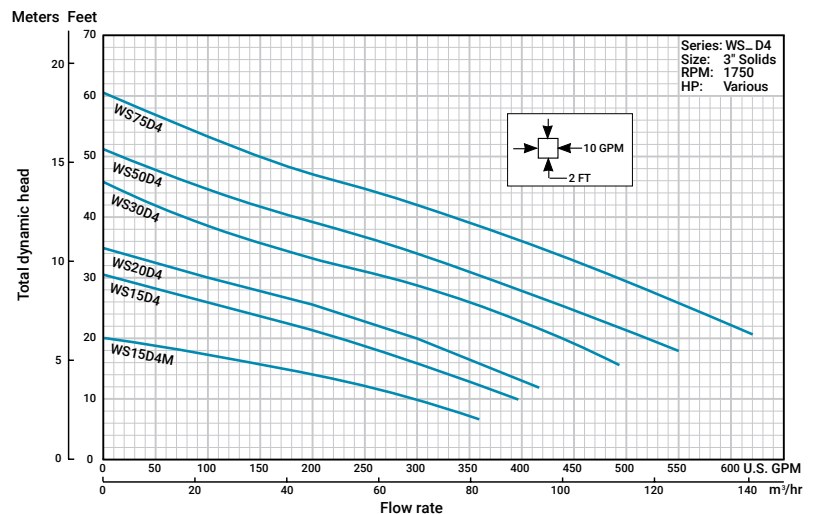
- Cast iron, two-vane, semi-open, non-clogging impeller with pump-out vanes for mechanical seal protection, and balanced for smooth operation
- Heavy-duty, gray cast iron, volute type casing with a horizontal discharge
- Dual mechanical seals with stainless steel parts and BUNA-N elastomers: the outer seal has silicon carbide vs. silicon carbide sealing faces, the inner seal has carbon vs. ceramic sealing faces
- Upper and lower shaft seals, which are positioned independently and separated by an oil-filled chamber
- 300 series stainless-steel fasteners and shaft with a keyed design
- Capable of running dry temporarily without damage to seals or motor
- Designed for continuous operation when fully submerged

Technical specifications

Flow range 620 GPM (141 m³/h)

Maximum head 60' (18 m)

Maximum temperature Continuous: 104° F (40° C)
Intermittent: 140° F (60° C)



3SD



Applications

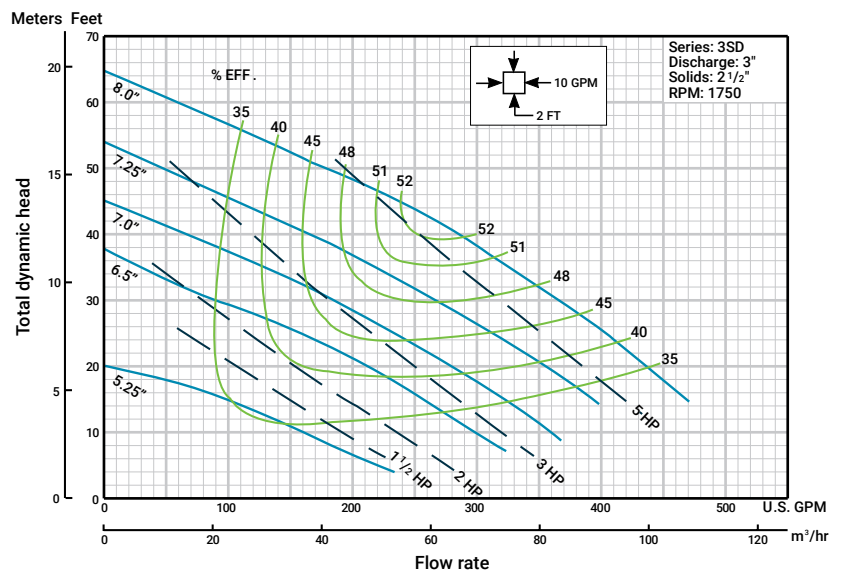
- Motels
- Farms
- Trailer courts
- Hospitals
- Flood and pollution control
- Sewage systems
- Dewatering

Features & benefits

- Seal fail sensor probe in oil-filled chamber (seal fail circuit required in panel)
- Explosion proof options available for hazardous locations (models are 3SDX and 4SDX)
- Cast iron, two-vane, semi-open, non-clogging impeller with pump-out vanes for mechanical seal protection
- Dual mechanical seals with stainless steel parts and BUNA-N elastomers (outer seal features silicon carbide/silicon carbide & inner seal features carbon/ceramic sealing faces)
- Upper and lower shaft seals are positioned independently and separated by an oil-filled chamber

Technical specifications

Flow range	470 GPM (107 m ³ /h)
Maximum head	65' (20 m)
Maximum temperature	Continuous: 104° F (40° C) Intermittent: 140° F (60° C)



4SD



Applications

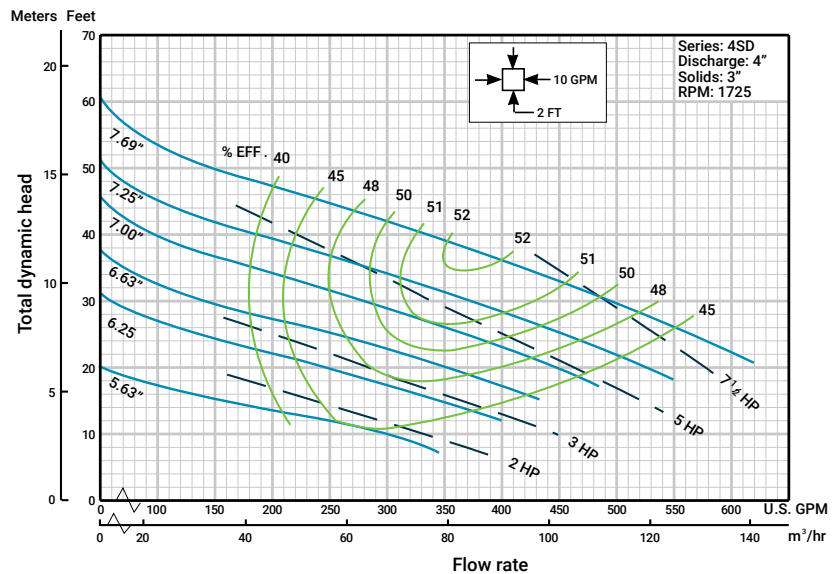
- Motels
- Farms
- Trailer courts
- Hospitals
- Flood and pollution control
- Sewage systems
- Dewatering

Features & benefits

- Seal fail sensor probe in oil-filled chamber (seal fail circuit required in panel)
- Explosion proof options available for hazardous locations (models are 3SDX and 4SDX)
- Cast iron, two-vane, semi-open, non-clogging impeller with pump-out vanes for mechanical seal protection
- Heavy-duty, cast iron, volute type casing for maximum efficiency
- Dual mechanical seals with stainless steel parts and BUNA-N elastomers (outer seal features silicon carbide/silicon carbide & inner seal features carbon/ceramic sealing faces)
- Upper and lower shaft seals are positioned independently and separated by an oil-filled chamber

Technical specifications

Flow range	620 GPM (141 m ³ /h)
Maximum head	60' (18 m)
Maximum temperature	Continuous: 104° F (40° C) Intermittent: 140° F (60° C)



4NS



Applications

- Sewage systems
- Flood and pollution control
- Industrial dewatering
- Waste water treatment plants
- Municipal and subdivision lift stations

Features & benefits

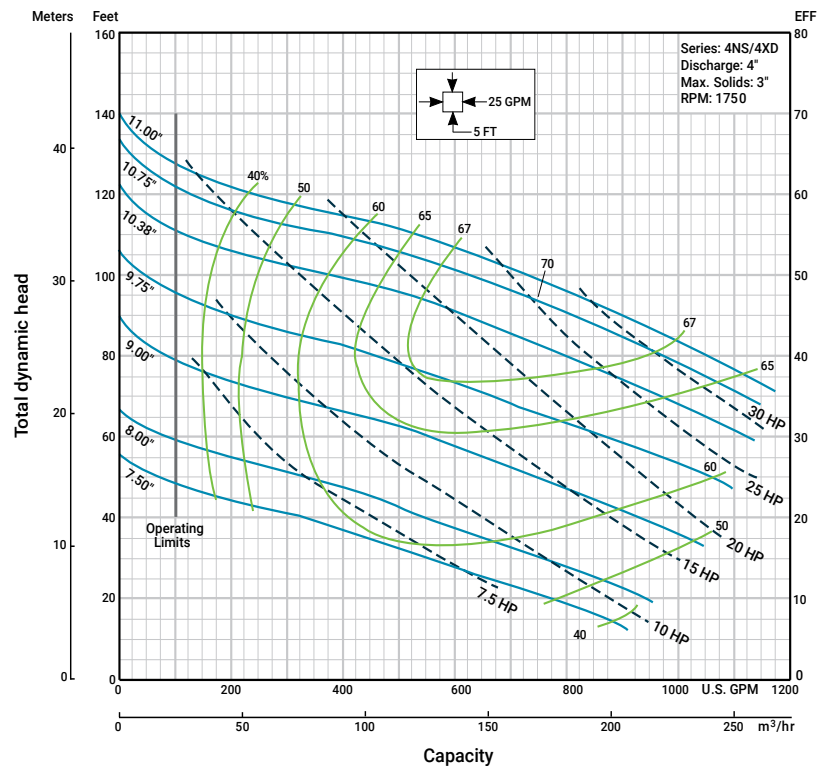
- Cast iron, two vane closed design impeller for high efficiency and maximum wear life
- Replaceable bronze wear ring to renew the running clearances and efficiencies to original conditions
- Heavy-duty cast iron, volute type casing for maximum efficiency
- Dual mechanical seals

Technical specifications

Flow range 100-1160 GPM (27-263 m³/h)

Maximum head 140' (43 m)

Maximum temperature Continuous: 104° F (40° C)
Intermittent: 140° F (60° C)



64 < TOC > 66

1GD



Applications

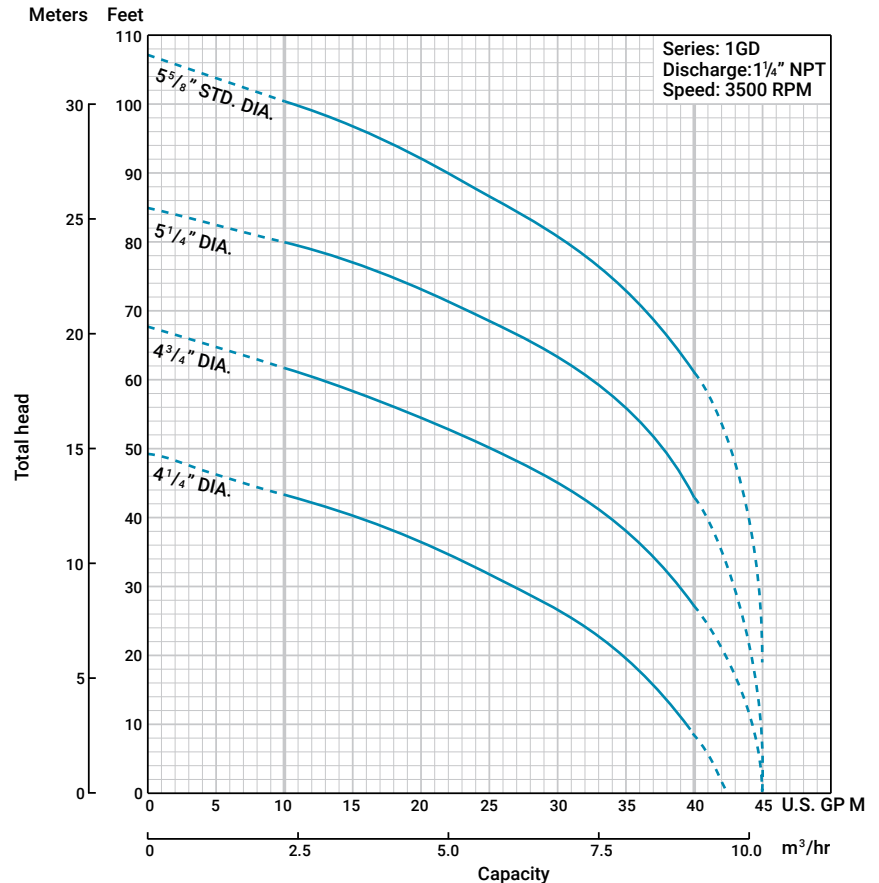
- Designed for high head sewage applications where a gravity system is not practical
- Ideal for pressure sewage systems

Features & benefits

- Silicon bronze, multi-vane semi-open impeller with pump-out vanes for mechanical seal protection
- Heavy-duty cast iron, volute type casing for maximum efficiency
- Dual mechanical seals
- Optional seal sensor cord located in oil-filled chamber
- Stainless steel shaft and fasteners

Technical specifications

Flow range	46 GPM (10 m ³ /h)
Maximum head	106' (32 m)
Maximum temperature	Continuous: 104° F (40° C) Intermittent: 140° F (60° C)



⌈ = A 1 1/4" minimum discharge pipe requires a minimum flow of 10 gpm to maintain a 2 ft./sec. scouring velocity. Flows less than 10 gpm will allow solids to settle in the pipe.

Additional Resources

Goulds Water Technology provides more than pumps. We provide a wide range of tools and training to further support you as an industry professional.

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- [e-Learning courses](#)
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- [Podcasts](#)
- [On-Demand videos](#)

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