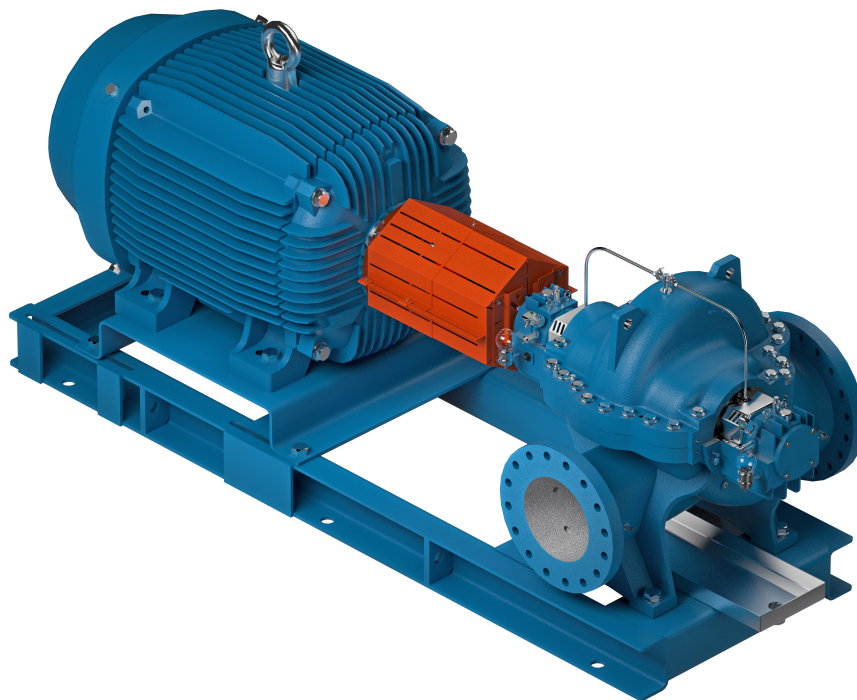




e-XC SINGLE STAGE, DOUBLE SUCTION CENTRIFUGAL PUMP

60 HZ

Designed and manufactured by the global leader in pumping technology, the Xylem e-XC single stage, double suction centrifugal pump provides a more powerful and efficient solution for a wide range of applications including oil & gas, power generation, general industry, water utilities, and mining.

It is a configurable single-stage horizontal split-case pump with extensive flow and head coverage and a common in-line configuration for easier installation of new and retrofit pumping systems. Coupled with a complete range of materials of construction to choose from, this pumping solution is here to meet your performance demands at the best value.

Features and Benefits

- **More powerful:** As a replacement to the legacy AC Series 8100, 8300, and 9100 pumps, we provide efficient pumping with a flow rate up to 57,061 gpm, the e-XC can easily handle medium and large capacity systems and higher head as well. For even larger applications, Xylem's AC Custom pump range is available to meet any customer's needs.
- **Tailor made:** Full range of standard materials including duplex and super duplex plus engineered to order options.
- **Longer running life:** Thanks to a shorter shaft, this pump can run up to 3 times longer (L10 100,000 hours) before the bearings need to be changed.
- **Peace of mind:** With optional temperature and vibration sensors on the bearing bracket, real time measurement is available to help predict maintenance needs. Spare rotating elements and parts kits are available.
- **True partners:** Through rugged engineering backed by Xylem's responsive, knowledgeable distribution network, this pump is designed to give you the long lasting and reliable service that you expect.

Technical Specifications

Hydraulic Specifications¹

Maximum flow: 57,061 gpm [12,960 m³/hr]

Maximum head: 873 ft. [266 m]

Fluid Temperature Range

Standard: 0 to 250°F [-18 to 121°C]

Casing Operating Pressure

Cast Iron: 175 psi [12 bar]

Ductile Iron: 400 psi and 450 psi [28 and 31 bar]

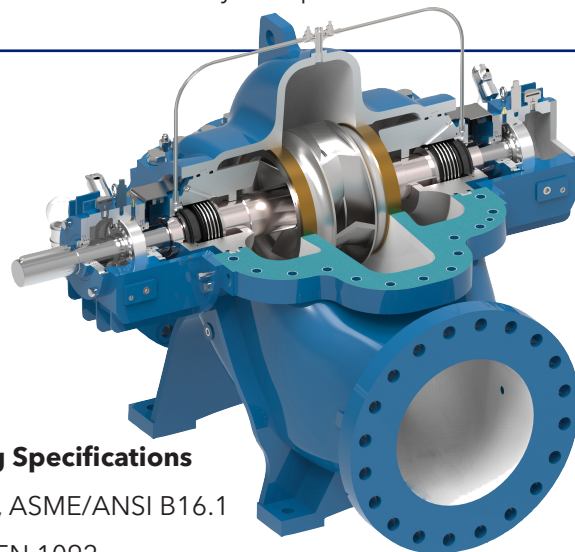
Flange Drilling Specifications

125# and 250#, ASME/ANSI B16.1

DIN 16/25/40, EN 1092

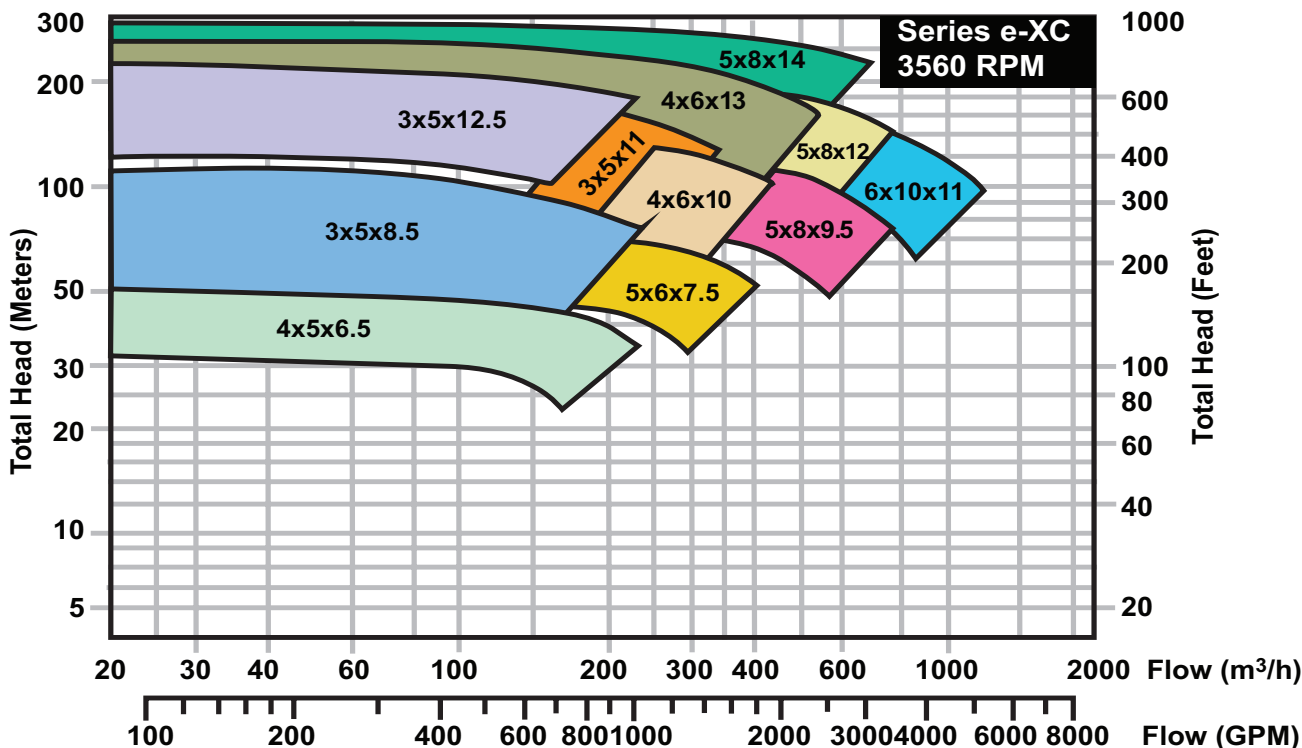
AWWA Class D, Class F

¹ Hydraulic performances compliant with ANSI/HI 14.6 and ISO 9906:2012 (Grade 2B)

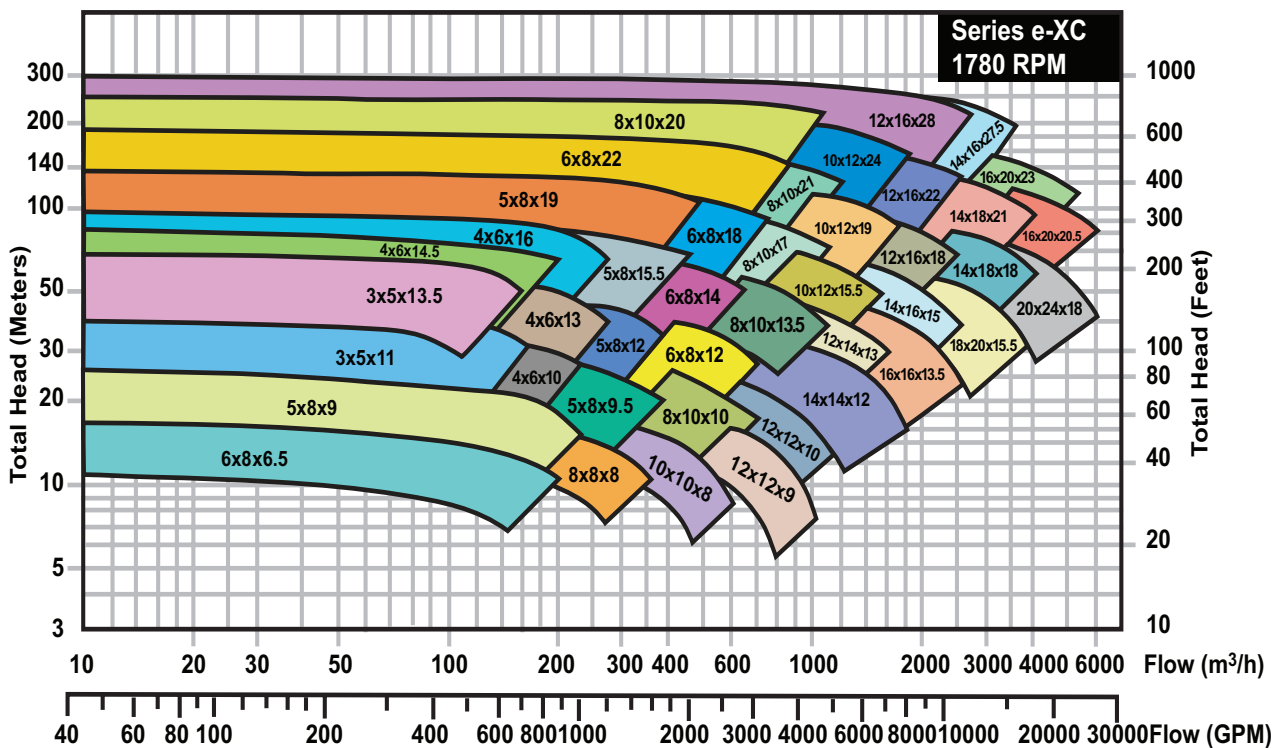


60 Cycle Performance Range

2-Pole



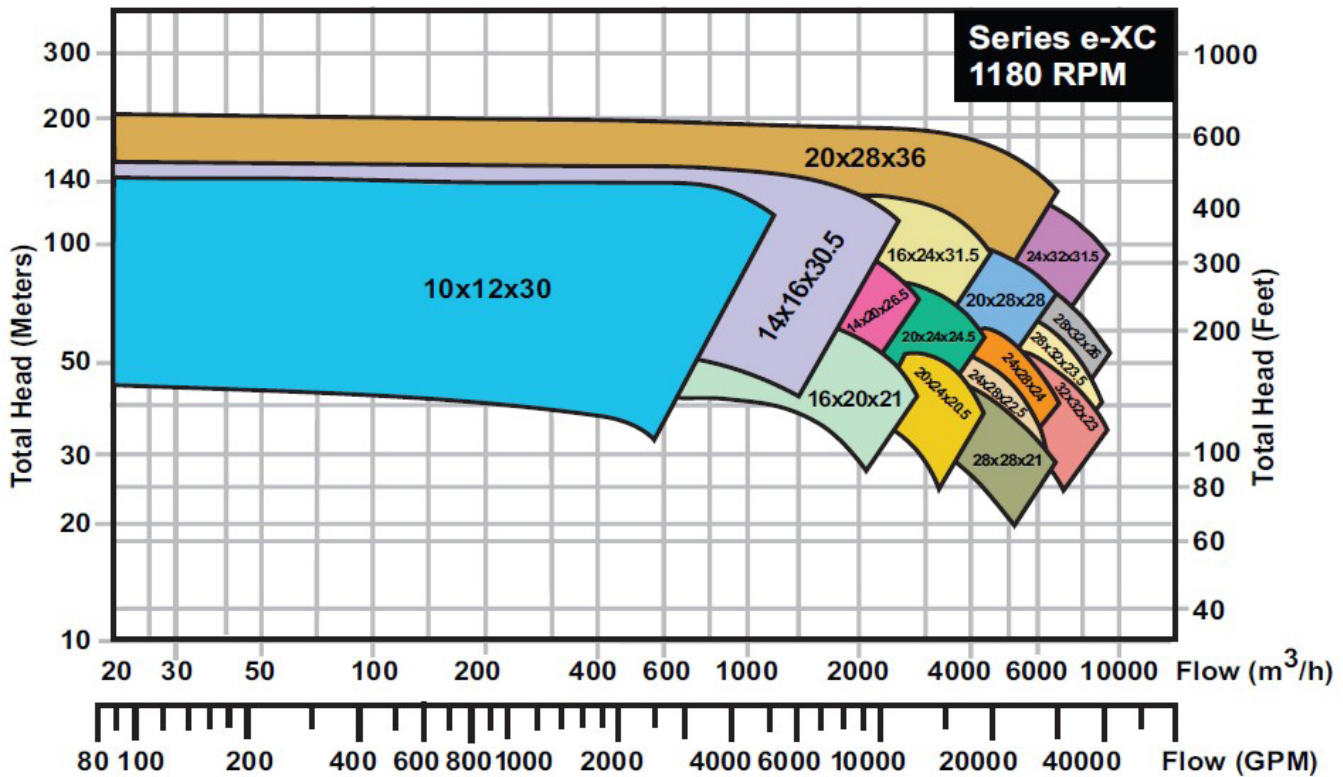
4-Pole



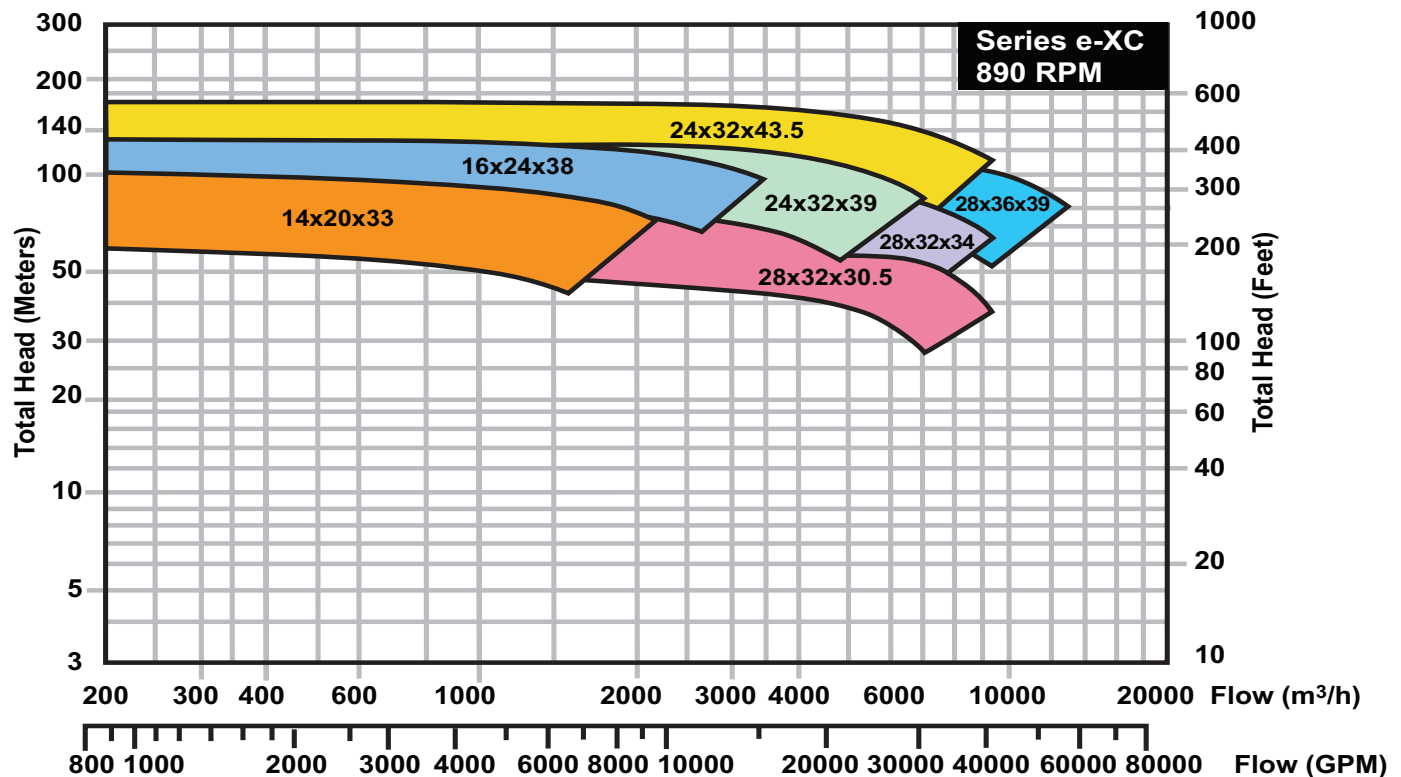
Every e-XC pump has two distinct impeller designs - i.e. the 3x5x8.5 model is also available as 3x5x8. See individual performance curves for more details.

60 Cycle Performance Range

6-Pole



8-Pole



Every e-XC pump has two distinct impeller designs - i.e. the 10x12x30 model is also available as 10x12x28.5. See individual performance curves for more details.

Materials of Construction*

COMPONENT	STANDARD OPTION 1	STANDARD OPTION 2	316 SS Construction	Duplex SS	Super Duplex	Other
Casing	Cast Iron [ASTM A48]	Ductile Iron [ASTM A536]	316 SS [ASTM A743 CF8M]	Duplex SS [ASTM A743 2205]	Super Duplex [ASTM A743 2507]	
Stuffing Box (Class 30)	Ductile Iron [ASTM A536]		316 SS [ASTM A743 CF8M]	Duplex SS [ASTM A743 2205]	Super Duplex [ASTM A743 2507]	
Shaft (Seal on Sleeve)	4140 Steel					
Impeller	304 SS [ASTM A743 CF8]		316 SS [ASTM A743 CF8M]	Duplex SS [ASTM A473 2205]	Super Duplex [ASTM A743 2507]	
Impeller Key	C45 Medium-Carbon Steel [GB 699-88]		316 SS [ASTM A743 CF8M]			
Casing Wear Rings	Bronze C90300 [ASTM B584]		Nitronic 60	Duplex SS [ASTM A473 2205]	Super Duplex [ASTM A743 2507]	
Impeller Wear Rings	304 SS [ASTM A743 CF8]		316 SS [ASTM A743 CF8M]	Duplex SS [ASTM A473 2205]	Super Duplex [ASTM A743 2507]	
Shaft Sleeves	304 SS [ASTM A743 CF8]		316 SS [ASTM A743 CF8M]	Duplex SS [ASTM A473 2205]		
Shaft Sleeve Nuts	304 SS [ASTM A743 CF8]		316 SS [ASTM A743 CF8M]	Duplex SS [ASTM A473 2205]		
Lantern Ring	PTFE		PTFE	Cast Iron		
Seal Flush Lines	304 SS [ASTM A743 CF8]		316 SS [ASTM A743 CF8M]			
Mechanical Seal Type	Refer to Seal Feasibility table for most accurate information					
Other Casted Components	Cast Iron NO .30					
Bearings	Grease Lubrication					Oil Lubrication
Bolts	Steel [ASTM F568M-07]					
Pipe Plugs	Steel					
O-Rings	Rubber (FKM)					
Gaskets	Aramid Fiber [NY4200]					
Retaining Ring	304 SS [ASTM A743 CF8]					
Shoulder Rings	Steel [ASTM F568M-07]					
Protective Guard	304 SS [ASTM A743 CF8]					

Sealing Solutions

MR4

Unbalanced unitized industrial rubber bellow seal

Up to 4" [110 mm] and 175 psi [12 bar]¹

MR3

Balanced industrial metal pusher seal

Up to 8.25" [210 mm] and 450 psi [31 bar]¹

MR8

Industrial metal pusher cartridge seals

MR8: Configured for seal on sleeve

Up to 7.375"/8.25" [185/210 mm] and 450 psi [31 bar]¹

Fluid Temperature Range

Mechanical seals: 0 to 250°F [-18 to 121°C]

Material Configurations

1. Carbon/Silicon Carbide/EPDM³
2. Silicon Carbide/Silicon Carbide/EPDM
3. Carbon/Silicon Carbide/FKM
4. Silicon Carbide/Silicon Carbide/FKM

¹ Pressure rating represents dynamic working pressure. Seals are rated for 1.5X dynamic pressure under static loading.

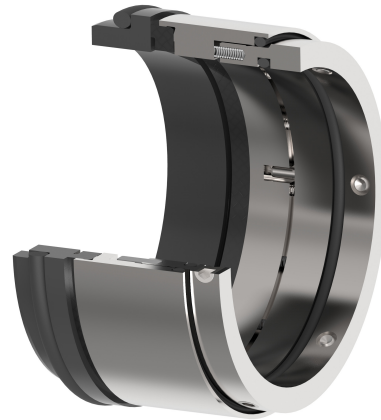
² Standard seal material configuration

Seal Flushing

All e-XC pumps include plan 11 flushing (standard) which ensures seal components stay clear of debris and extends seal life. Plan 11 flushing diverts water traveling through the pump volute into either seal faces or packing glands.



MR4 Cross-Section



MR3 Cross-Section

Motor Specifications & Drives

Motor Offerings

- NEMA premium efficiency per EISA 2010
- NEMA MG-1 performance
- Max 3-phase ambient temperature of 104°F (40°C)
- Inverter ready
- Class F insulation
- Voltages: 3 x 460/575 V
- Poles: 2, 4, 6 and 8
- Open Drip Proof (ODP) enclosure
- Totally Enclosed Fan Cooled (TEFC) enclosure (optional)
- PTC/RTD sensors (optional)



AQUAVAR® IPC Drive Options

- 1.5/125 and 150/600 hp ranges
- Temperature Rating:
14°F to 113°F (-10°C to 45°C)
- Built-in BACnet, MODBUS®
RTU, N2 Metasys FLN
- Optional mains disconnect
- 2 analog inputs, 1 analog
output
- 4 digital inputs, 2 digital outputs

Couplings

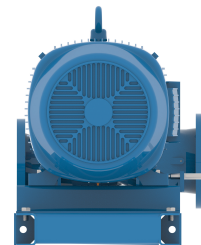
COUPLING TYPE	STANDARD		OPTIONAL		
Spacer	N/A		Duraflex®	Falk Steelflex®	Falk Gear Type
Non-Spacer	Duraflex®	Falk Steelflex® ¹	Falk Steelflex®		Falk Gear Type

¹Standard only if Duraflex® coupling size is not available

Baseplate and Coupling Guard

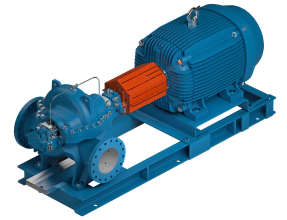
ITEM	FEATURES
Baseplate	Grouted Formed steel frame Alignment jacking screws ¹
Coupling Guard	ANSI/OSHA compliant Scratch resistant powder coating
Drip Pan (Optional)	Galvanized steel

¹Alignment screws only applicable after 215 frame size



Other Standard Features

- Equipped with shaft guards for increased safety and protection against rotating components.
- Short shaft design ensures less deflection and longer bearing life.
- Vibration, temperature and pressure ports standard for easy monitoring.



Vibration Monitoring

PCB Piezotronics Industrial Velocity Transmitter

- Output: 4 to 20 mA
- 0 to 1 in/sec pk
- 3 to 1k Hz
- 2-pin connection

Pressure Monitoring

American Sensor Technologies Pressure Sensor

- AST range 0 to 100 psi [0 to 6.9 bar]
- Output: 4 to 20 mA

American Sensor Technologies Pressure Sensor

- AST range 0 to 300 psi [0 to 20.7 bar]
- Output: 4 to 20 mA

Condition Monitoring

optimize™ Sensor

- Temperature: -4 to 275 deg F (-20 to 135 deg C)
- Vibration: 3-axis, 5 to 1.1k Hz
- Magnetic Mounting (standard)

www.xylem.com/optimize



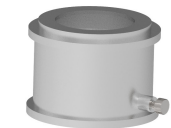
Pump Accessories



Bearing Lubrication

Oil Lubrication Kit

- 4 oz. Trico oiler
- NPT sight glass
- NPT breather vent



Temperature Monitoring

Prosense ETS Series
Digital Temperature Sensor

- -58°F to 302°F [-50°C to 150°C]
- Outputs 1 and 2: Switch PNP, N.O./N.C. selectable or 4 to 20 mA, 4-digit display



Pump Selection

Xylem's selection software, **Xylem Solver™** for pump selection will save you time due to its easy to use platform and selection flexibility. With ability to be designed and configured in a multitude of ways, the Xylem e-XC single stage, double suction centrifugal pump is available in a variety of sizes, models and materials which allow you to perfectly configure it for your system requirements.

Xylem Product Cybersecurity:

Xylem values your system security and the availability of your critical services. For more information on Xylem cybersecurity practices or to contact the cybersecurity team please visit xylem.com/security.



Drinking Water
Low Lead Content
NSF/ANSI 61 & 372
File#: 009553_0_000

NSF/ANSI 61 (*Drinking Water System Components - Health Effects*) is a certification standard for products that come into contact with drinking water. NSF/ANSI 372 (*Drinking Water System Components – Lead Content*) verifies the lead content of drinking water products meets levels determined by the Safe Drinking Water Act. These requirements are based on EPA and Health Canada Requirement.

xylem
Let's Solve Water

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www.xylem.com

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