

e-1510X Smart Pumps

Integrated pump, motor & variable speed drive solutions, **powered by hydrovar® X**



Bell & Gossett
a xylem brand

Ultra-premium package bringing market-leading performance right out of the box!

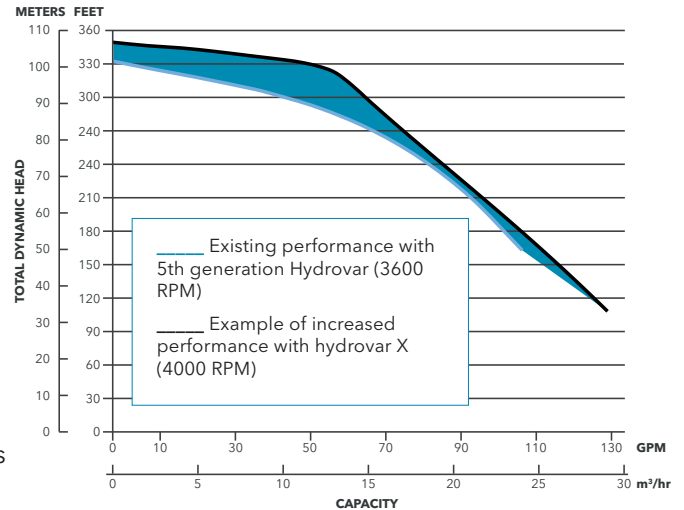
Powered by Xylem's hydrovar® X Smart Motor, e-1510X Smart Pumps offer customizable pumping solutions designed to deliver ultra-premium efficiency, connectivity, and simplicity right out of the box!

e-1510X Smart Pumps leverage decades of expertise and know-how in pump technology to bring the right combination of motors, variable speed drives and hydraulic pumps in one comprehensive, highly efficient package. With the largest Efficiency Island compared to similar pumps, the Bell & Gossett Series e-1510X reduces electricity consumption, improves overall system performance and lowers life cycle costs. The extensive energy saving profile enables users to maintain significantly higher levels of efficiency over a much wider range of operating conditions.

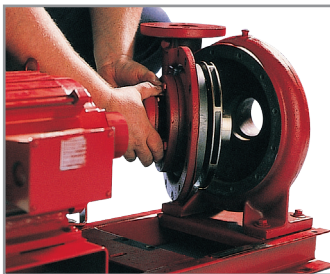
So, when it's time to think efficiency, performance and reliable market-leading technology ... start with e-1510X Smart Pumps from Bell & Gossett - a complete system, delivering the solutions you need for today.

Performance

(representative example of increased performance with hydrovar X)

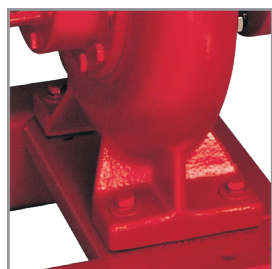


Six standard features of Series



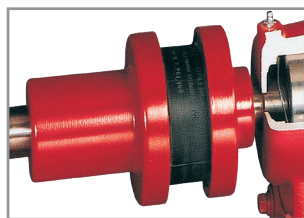
True back pullout

Ease in service is assured, while piping and motor remain undisturbed. Extended delays for repairs are virtually eliminated.



Solid-foot mounted Volute

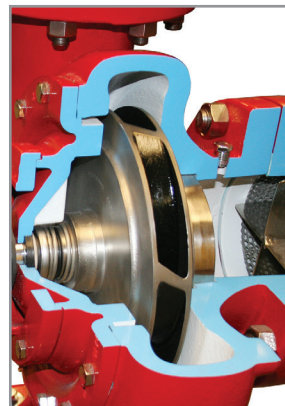
All Series e-1510X Smart Pumps are provided as standard with an integrally cast volute foot located directly beneath the pump volute. This integrally cast foot ensures that the alignment between the volute and motor assembly is maintained.



Center drop-out spacer coupling

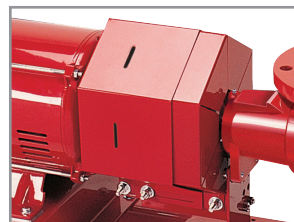
Spacer Coupling
Unlike conventional jaw type or rigid style couplings, a center drop-out spacer coupling allows removal

of the bearing frame and rotating element without disturbing the pump end pipe alignment or motor electrical connections.



Stainless steel impellers

e-1510X impellers are precision cast stainless steel providing extremely smooth surface finishes and tight dimensional tolerances to further yield higher efficiencies. Stainless steel impellers are also more resilient than bronze impellers, providing owners with longer lasting maximum efficiency levels.



OSHA-compliant coupling guard

The coupler guard complies with OSHA 1910.219. The guard offers increased protection against potential injuries and is standard on all

e-1510X Smart Pumps. The guards include slotted viewing windows for easy inspection.

Internally self-flushing mechanical seal

This standard feature ensures maximum seal face lubrication, heat dissipation and debris removal without vulnerable, external flush tubing.

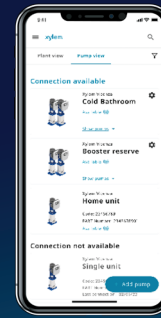
Unleash the power of hydrovar X!

Don't hold back your imagination!

With the graphical color display, you can quickly set-up and navigate the menu of your unit: check all the parameters and choose the perfect unit configuration to fit your installation. No time to do it? Genie will start up and run the unit for you!



Check your systems from wherever



Download the mobile app



hydrovar X and Avensor, better together!

hydrovar X can communicate with Avensor, Xylem's IoT platform, for a complete overview of all connected assets, anytime, anywhere. Avensor collects historical data to analyze trends and generate alerts preventing failures and equipment downtime.

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.

Condition monitoring: Each e-1510X is fitted with Xylem's optimize® sensor to monitor the health of the pump. Using predictive analysis, optimize identifies potential problems with equipment before they occur, to help manage system reliability and maintenance.

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.

Ease of installation & maintenance: Integrated pump and hydrovar X motor design eliminates the need for additional wiring, labor and associated costs.



e-1510 with wall mounted ITSC



e-1510X Smart Pump

hydrovar X's integrated drive and motor reduces floor space, frees up wall space and creates a compact, easily serviceable pump package

Compact motor design: hydrovar X motors offer higher performance with a reduced footprint when compared to legacy generation Hydrovar or Aquavar IPC solutions. Increased performance reduces electricity consumption and lowers life cycle costs.



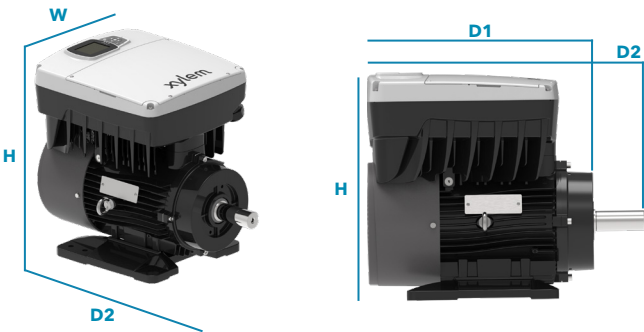
Separate quick connect components allow users to replace the drive or the motor independently. The integrated electrical socket requires no additional wiring, allowing a true plug and play solution versus buying a new motor and drive combination.

Product Specifications

hydrovar X Smart Motor Specifications

Display:	Graphic color
Controls modes:	Actuator, Constant Pressure. Proportional Pressure, Proportional Quadratic Pressure, Constant Flow, Constant Temperature, Constant Level
Multi-pump:	up to 8 pumps
Enclosure:	IP55/NEMA4
Working temperature:	-4°/+122°F (-20°/+50°C)
Communication protocols:	MODBUS® RTU, BACnet MS/TP
Features:	IE5 synchronous motor
Mobile app:	Bluetooth®

hydrovar X Smart Motor Dimensions:



Motor Power HP (kW)	NEMA Frame	H in (mm)	W in (mm)	D1 in (mm)	D2 in (mm)
2-7.5 (1.5-5.5)	143-145T	11.1 (282)	10.8 (275)	12.8 (326)	15.2 (385)
4-15 (3-11)	213-215T	14.7 (374)	13.0 (330)	15.1 (383)	18.5 (470)
7.5-30 (5.5-22)	254-256T	18.4 (468)	15.2 (385)	18.4 (468)	22.5 (573)

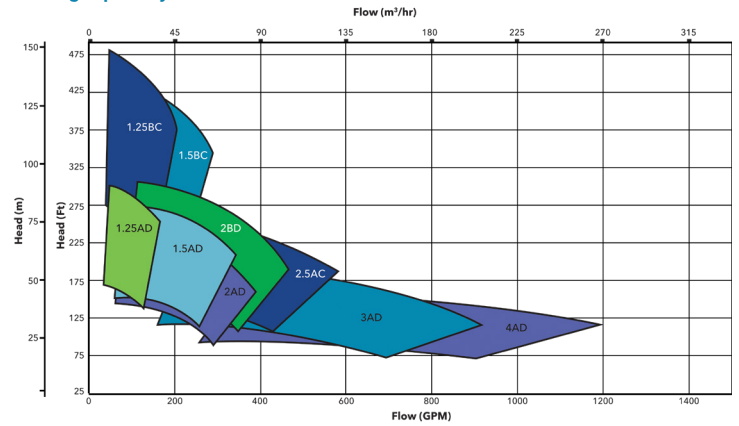
e-1510X Smart Pump Specifications

Flow rate:	up to 1600 GPM (363 m³/h)
Head:	up to 400 ft (123 m)*
Temperature of pumped liquid:	Up to 250°F (121°C)
Maximum operating pressure:	175 psi (12 bar)*
Environment temperature:	-4°F to 122°F (-20°C to 50°C)

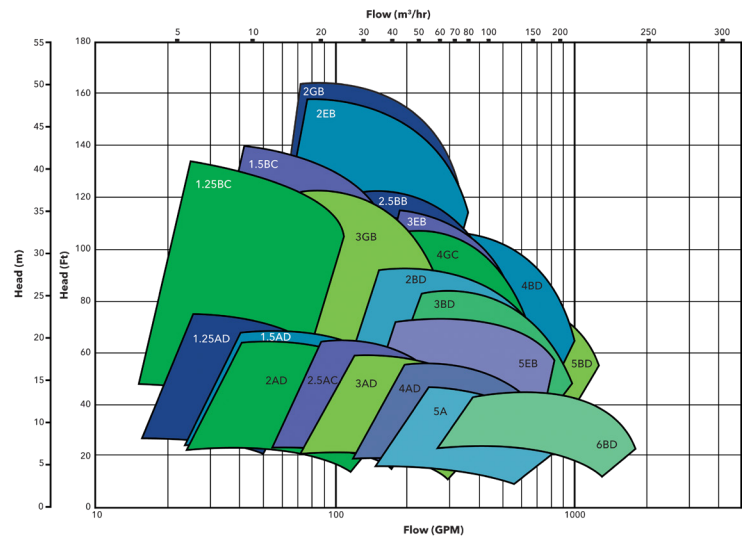
*The 1.25BC and 1.5BC models may exceed the nominal 175 psi rating above 3600 RPM.

e-1510X Smart Pump Family Curves

High Speed Hydraulic Performance



Low Speed Hydraulic Performance



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 www.xylem.com/security.



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Learn more about
e-1510X Smart Pumps:

