



e-1531X & e-1532X 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-1531X & e-1532X Smart Pumps offer customizable pumping solutions designed to deliver ultra-premium efficiency, connectivity, and simplicity right out of the box!

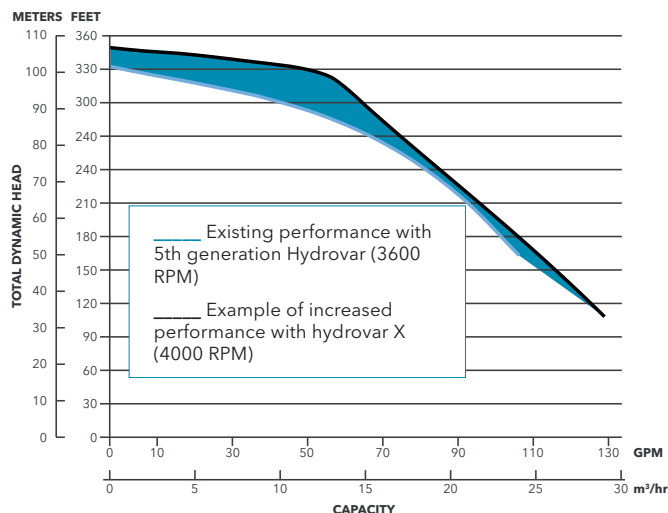
e-1531X (footless volute) & e-1532X (footed volute) Smart Pumps leverage decades of expertise and know-how in pump technology to bring the right combination of motors, variable speed drives and hydraulic pumps in one comprehensive, highly efficient package. Series e-1531X & e-1532X space-saving, close-coupled, end suction pumps have been designed to offer the highest overall efficiencies in the market for HVAC and plumbing applications.

With the largest "Efficiency Island" compared to other similar pumps, the e-1531X & e-1532X reduce 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-1531X & e-1532X Smart Pumps from Bell & Gossett - complete systems, delivering the solutions you need today.

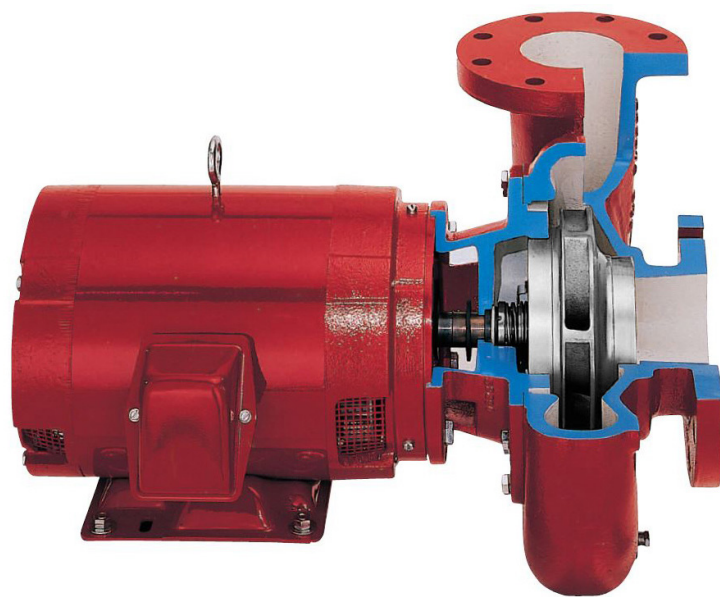
Performance

(representative example of increased performance with hydrovar X)



Standard features of Series e-1531X & e-1532X Smart Pumps

- 1. Internally flushed mechanical seals** ensure maximum seal face lubrication, heat dissipation and debris removal without vulnerable, external flush tubing. As much as 25 percent of the total pump flow continuously flushes the seal faces.
- 2. Back pull-out** design allows one service tech ease of maintenance.
- 3. Stainless steel shaft sleeve** construction is standard. Special sealing between the sleeve and shaft prevents corrosion of the shaft by the pumped fluid.
- 4. ISO G6.3 balanced impeller** for quiet, vibration free performance. Impellers are precision fitted to the shaft and positively locked with a shaft key.
- 5. Heavy duty cast iron volute** construction for 175 PSI working pressure.
- 6. Jacking bolts** provide ease of volute disassembly.
- 7. Gauge tappings** on the suction and discharge flanges along with volute vent and drain tappings are standard.
- 8. Hydrostatic testing** of each pump is standard.



e-1531 Close-Coupled Pump

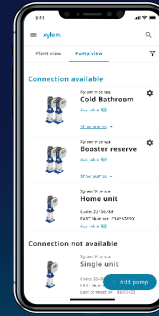
Unleash the power of hydrovar X!

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 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.

Easy service: VFD and/or motor can be easily replaced individually, minimizing downtime and expensive repair.

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.

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.

Representative example



e-1510 with wall mounted ITSC



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

e-1510X Smart Pump



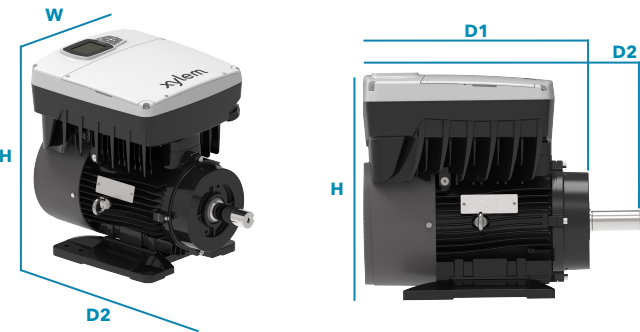
Separate quick connect components allow users to replace the drive or the motor independently. The integrated electrical socket requires no additional wiring, allowing a true plug and play solution versus buying a new motor and drive combination.

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)	143-145JM	11.1 (282)	10.9 (276)	13.5 (344)	17.8 (452)
4 - 15 (3 - 11)	213-215JM	14.7 (374)	13.0 (330)	16.1 (410)	20.4 (518)
7.5 - 30 (5.5 - 22)	254-256JM	18.4 (468)	15.2 (385)	19.3 (490)	24.5 (623)

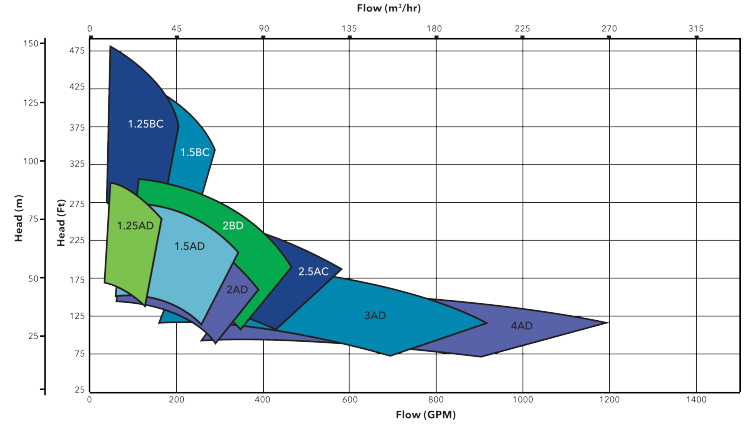
e-1531X & e-1532X Smart Pump Specifications

Flow rate:	up to 1600 GPM (363 m ³ /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)

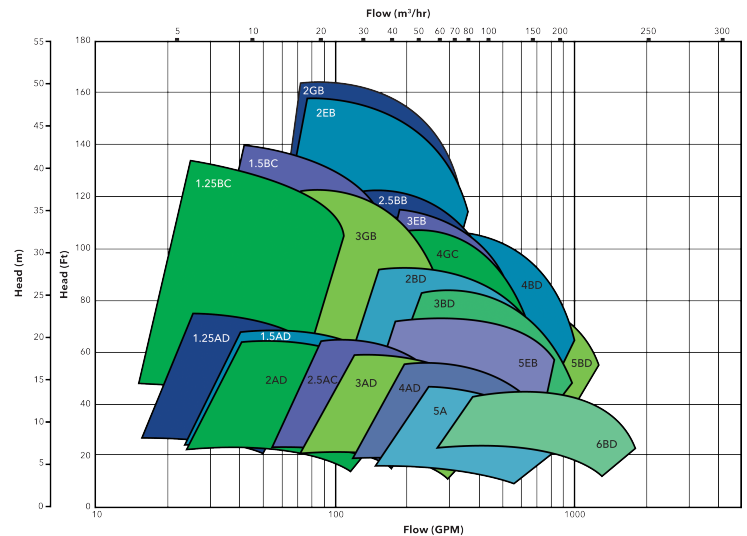
*The 1.25BC and 1.5BC models may exceed the nominal 175 psi rating above 3600 RPM.

e-1531X & e-1532X Smart Pump Family Curves

High Speed Hydraulic Performance



Low Speed Hydraulic Performance



Note: The e-1531X is not available in 11" or 13.5" impeller diameter models such as the 2EB or 3GB.

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
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Smart Pumps

