

# Series e-80X Smart Pumps

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



Series e-80X Smart Pumps feature the right combination of ultra-premium efficient motors with integrated variable speed drives and pumps to ensure great performance and a rapid return on investment in nearly any application. The result is intelligence, performance, connectivity, and simplicity in one comprehensive package, from one reliable source - Bell & Gossett.

**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.

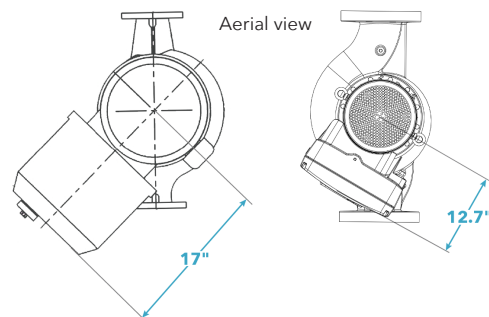
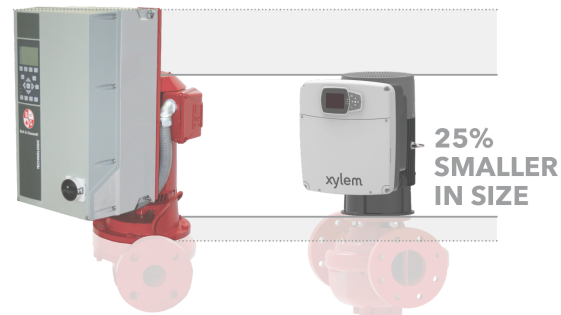
**Easy service:** VFD and/or motor can be easily replaced individually, minimizing downtime and expensive repair.

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

**Compact motor design:** hydrovar X motors offer higher performance with a reduced footprint when compared to legacy generation Hydrovar or e-80 ITSC solutions. Increased performance reduces electricity consumption and lowers life cycle costs.

e-80 ITSC

New design  
e-80X Smart Pump



The e-80X Smart Pump is 25% smaller than the legacy e-80 ITSC (3x3x11B, 254JM motor frame)

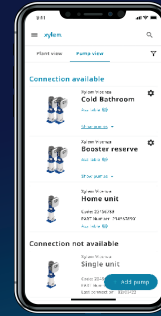
# Unleash the power of hydrovar X!

## 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.

## e-80X Smart Pump Specifications

<b>Flow rate:</b>	up to 1400 GPM (318 m <sup>3</sup> /hr)
<b>Head:</b>	up to 428 ft (130 m)
<b>Temperature of pumped liquid:</b>	Up to 250°F (121°C)
<b>Maximum operating pressure:</b>	175 psi (12 bar)
<b>Environment temperature:</b>	-4°F to 122°F (-20°C to 50°C)

## hydrovar X Smart Motor Specifications

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

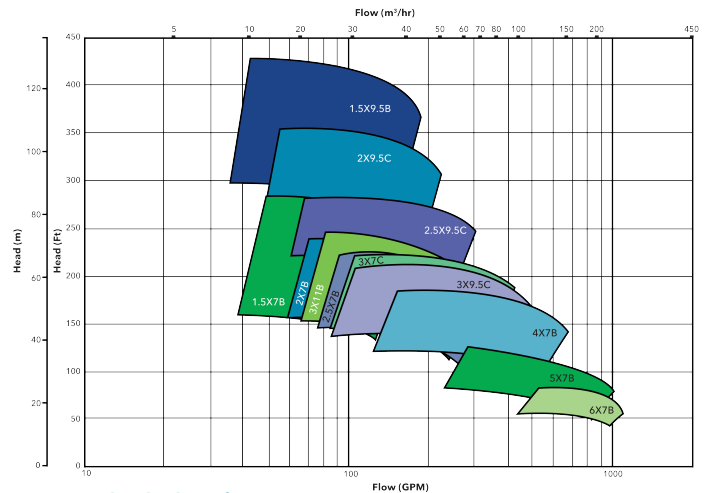
Learn more about e-80X Smart Pumps:



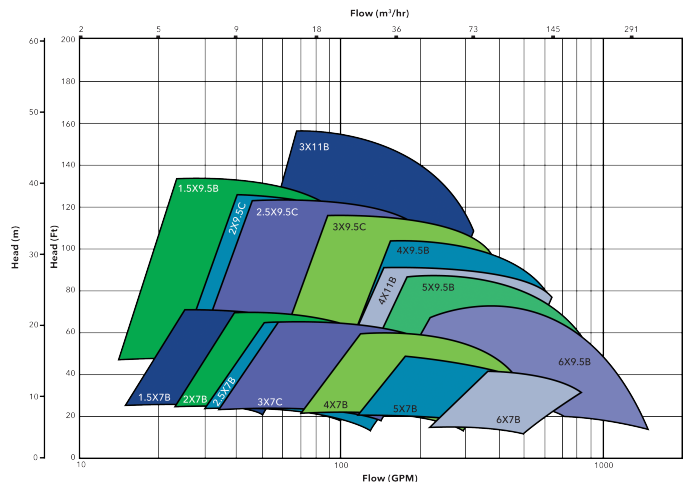
**Xylem Product Cybersecurity** - Xylem values your system security and the availability of your critical services. To learn more please visit: [www.xylem.com/security](http://www.xylem.com/security).

## e-80X Smart Pump Family Curves

### High Speed Hydraulic Performance



### Low Speed Hydraulic Performance



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