



# Series e-80X/e-80SCX Smart Pumps

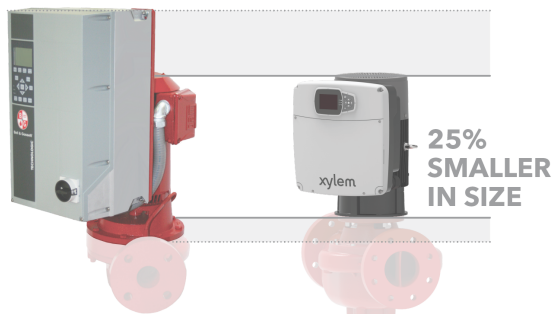
## Integrated pump, motor and variable speed drive solutions, powered by hydrovar® X



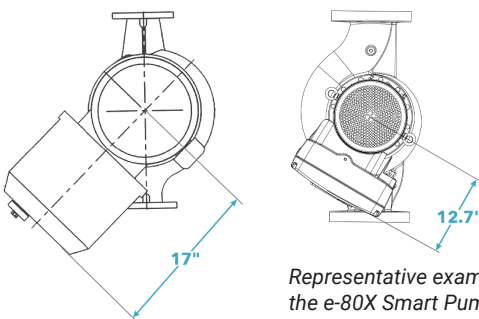
Series e-80X (close-coupled) and e-80SCX (split-coupled) Smart Pumps feature the right combination of ultra-premium efficient motors with integrated variable speed drives and pumps to ensure great performance and a rapid return on investment in nearly any application. The result is intelligence, performance,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

e-80 ITSC

New design e-80X Smart Pump



Aerial view



Representative example of the e-80X Smart Pump only.

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

**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. Pre-loaded hydraulic maps allow the drive to operate efficiently without pressure sensors. 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 and maintenance:** Integrated pump and hydrovar X motor design eliminates the need for additional wiring, labor and associated costs.

**Compact motor design:** hydrovar X Smart 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.



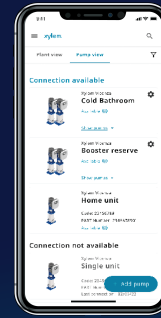
# Unleash the power of hydrovar X!

## 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/e-80SCX Smart Pump specifications

Flow rate:	Up to 1400 GPM (318 m <sup>3</sup> /hr)
Head:	Up to 428 ft (130 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)

## hydrovar X Smart Motor specifications

Display:	Graphic color
Controls:	Actuator, constant pressure, proportional pressure, proportional quadratic pressure, constant flow, constant temperature, constant level, sensorless pressure control <sup>1</sup>
Multi-pump:	Up to 8 pumps
Enclosure:	IP55/NEMA 4
Working temperature:	-4°/+122°F (-20°/+50°C)
Communication protocols:	MODBUS <sup>®</sup> RTU, BACnet MS/TP
Features:	IE5 synchronous motor
Mobile app:	Bluetooth <sup>®</sup>

<sup>1</sup>Sensorless is currently only available on e-80SCX pumps. Coming soon to e-80X pumps.

Learn more about  
e-80X/e-80SCX  
Smart Pumps:



## 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](http://xylem.com/security).

Xylem Inc.

[www.xylem.com/bellgossett](http://www.xylem.com/bellgossett)

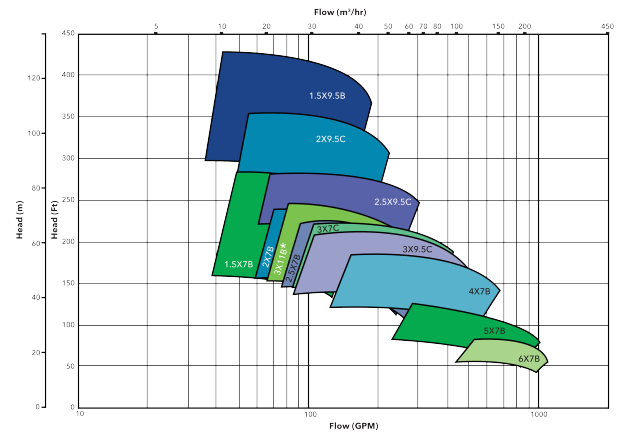
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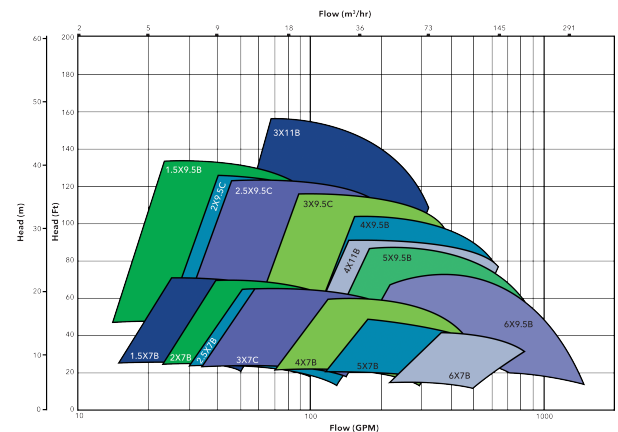
## e-80X/e-80SCX Smart Pump family curves

### High speed hydraulic performance



\*3X11B is unavailable for e-80SCX in high speed operation.

### Low speed hydraulic performance



**xylem**  
Let's Solve Water