



Series e-80X Smart Pumps

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

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

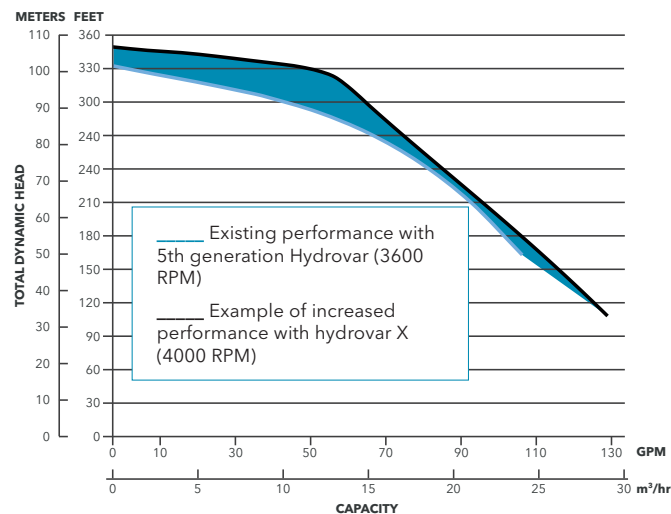
Powered by Xylem's hydrovar® X Smart Motor, e-80X Smart Pumps offer customizable pumping solutions designed to deliver ultra-premium efficiency, connectivity, and simplicity right out of the box!

Series e-80X Smart Pumps integrate decades of expertise and know-how in pumping solutions to bring the right combination of motors, variable speed drives and hydraulic pumps in one comprehensive, highly efficient package. Series e-80X Smart Pumps reduce electricity consumption, improve overall system performance, and lower 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. Designed for horizontal and vertical in-line mounting, it's ideal for hydronic heating and cooling systems, light industrial processes and general service.

So, when it's time to think efficiency, performance and reliable market-leading technology ... start with e-80X Smart Pumps from Bell & Gossett - a complete system, delivering the solutions you need for today.

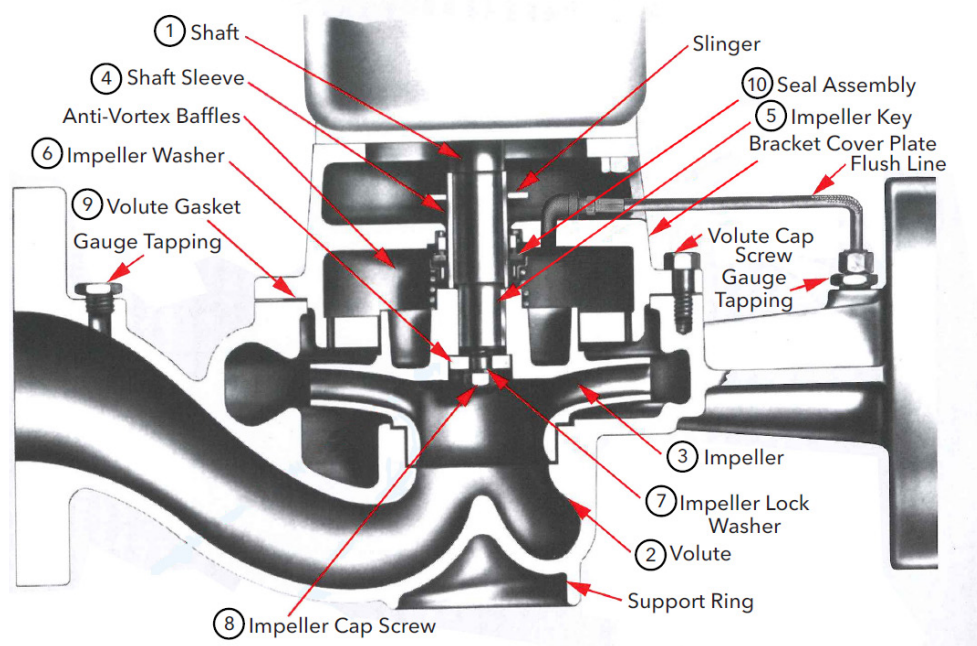
Performance

(representative example of increased performance with hydrovar X)



Features and materials of construction of Series e-80X Smart Pumps:

The Series e-80X Smart Pump incorporates stainless steel impellers to improve sustainable hydraulic performance, resist chemicals and reduce corrosion. They're balanced to ANSI Grade G6.3, to provide years of quiet performance and trouble-free service. Each pump includes a standard seal with a maximum working pressure of 175 psi for use on open or closed clear water systems. The back pull-out design allows the e-80X Smart Pump to be serviced without disturbing the piping, which means repairs can be made quickly and easily, and downtime is kept to a minimum. Applications include hydronic heating & cooling systems, light industrial process and general service.



Description	Stainless Steel Fitted Pump
1. Shaft	Carbon Steel
2. Volute	Cast Iron ASTM A48 Class B
3. Impeller	ASTM A743 Grade CF8 (304SS)
4. Shaft Sleeve	Stainless Steel
5. Impeller Key	#304 Stainless Steel
6. Impeller Washer	Carbon Steel
7. Impeller Lock Washer	#304 Stainless Steel
8. Impeller Capscrew	#304 Stainless Steel
9. Volute Gasket	Cellulose Fiber
10. Seal Assemblies	

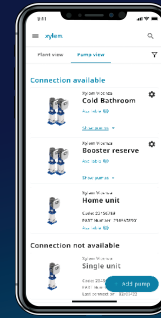
Unleash the power of hydrovar X!

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.

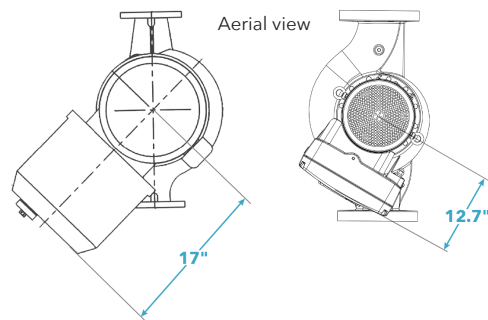
Easy service: VFD and/or motor can be easily replaced individually, minimizing downtime and expensive repair.

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



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.



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

Product Specifications

hydrovar X Smart Motor Specifications

Display:	Graphic color
Controls:	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®

e-80X Smart Pump Specifications

Flow rate:	up to 1400 GPM (318 m³/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)

e-80X Standard Seal Types

	BUNA/C/ Ceramic	EPR/SiC/SiC	EPR/C/WC
Bellows	BUNA	EPR	EPR
Faces	Carbon-Ceramic	Silicon Carbide-Silicon Carbide	Carbon-Tungsten Carbide
Metals	Stainless Steel or Brass	Stainless Steel or Brass	Stainless Steel
Springs	Stainless Steel	Stainless Steel	Stainless Steel



hydrovar X Smart Motor Dimensions

Motor Power HP (kW)	NEMA Frame	H in (mm)	W in (mm)	D in (mm)
2 - 7.5 (1.5-5.5)	143-145JM	13.53 (344)	10.08 (256)	11.18 (284)
4 - 15 (3-11)	213-215JM	16.14 (410)	11.89 (302)	13.82 (351)
7.5 - 30 (5.5-22)	254-256JM	19.29 (490)	14.25 (362)	17.4 (442)

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.

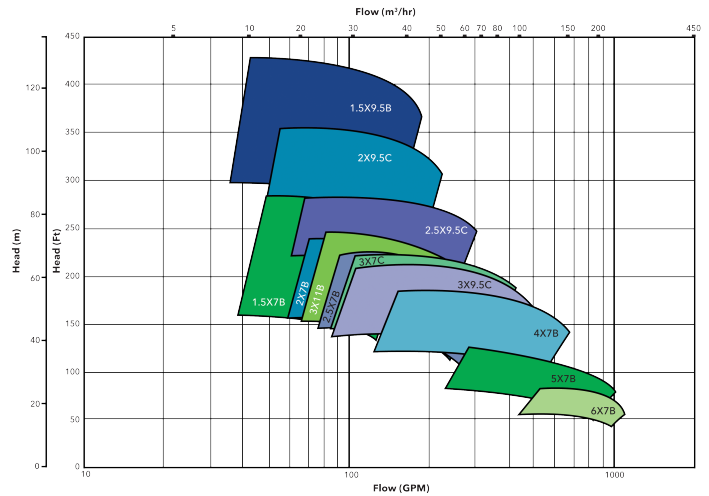
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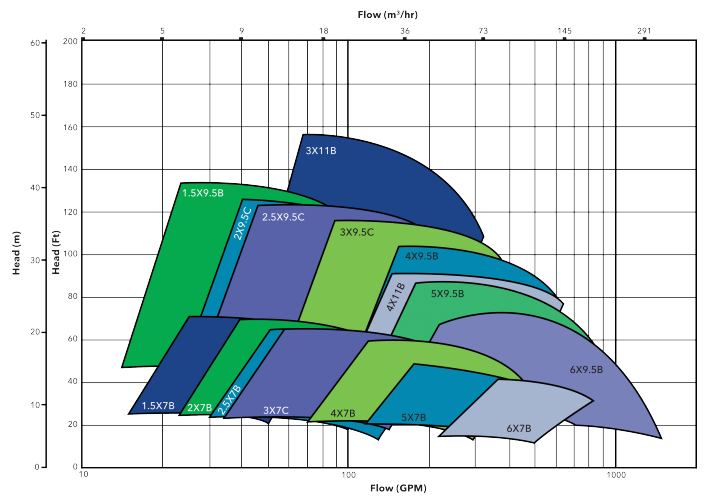
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e-80X Smart Pump Family Curves

High Speed Hydraulic Performance



Low Speed Hydraulic Performance



Learn more about
e-80X Smart Pumps:

