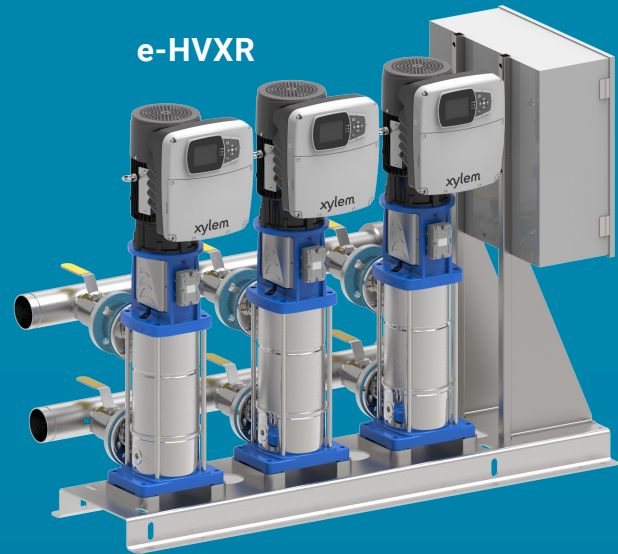


xylem



## AQUAFORCE® e-HVX & e-HVXR packaged booster systems

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, AQUAFORCE® e-HVX & e-HVXR packaged booster systems offer customizable pumping solutions designed to deliver ultra-premium efficiency, connectivity, and simplicity right out of the box!

e-HVX & e-HVXR packaged booster systems integrate decades of expertise and know-how in pump technology to bring the right combination of motors, variable speed drive and hydraulic components in one comprehensive, highly efficient package.

So, when it's time to think efficiency, performance and reliable market-leading technology ... start with packaged booster systems from Bell & Gossett – complete systems, delivering the solutions you need for today.

## Features that make the difference.

### 1. hydrovar X smart motor

The 'ultra-premium' hydrovar X integrated motor and VFD offers a turnkey solution for multi-pump, variable speed applications, and is featured on all e-HVX and e-HVXR packages. Products meet or exceed the highest efficiency standard of IE5, maintaining close to peak efficiency even at reduced speeds. Resulting in significant energy savings relative to legacy products.

### 2. Stainless steel construction

Increased life expectancy with standard A36 structural steel base and pedestal. The 304SS suction and discharge manifolds allow for simple installation in any piping system.

### 3. Compact design

e-HVXR Packaged Systems offer high performance with a reduced footprint (up to 30%) when compared to legacy generation e-HV Packaged Systems.

### 4. Vertical multistage pumps

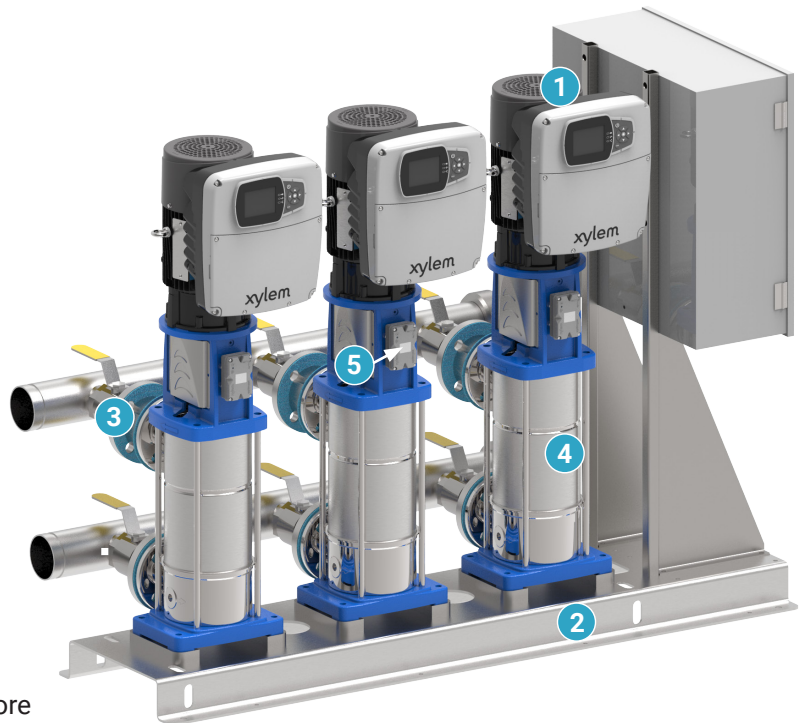
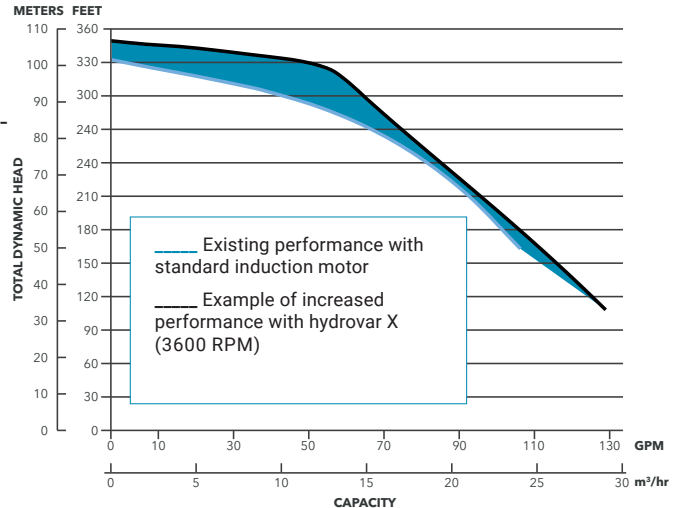
Packages utilize Xylem's e-SV vertical multistage pumps, designed for efficiency, longevity and ease of maintenance. Wetted components are ANSI 304SS and Cast-Iron suitable for potable water applications.

### 5. Condition monitoring

e-HVX & e-HVXR come standard with Xylem's optimize® sensors. optimize sensors monitor the health of the package and will predict potential mechanical failures before they occur.

## Performance

(representative example of increased performance with hydrovar X)



AQUAFORCE e-HVXR packaged booster system

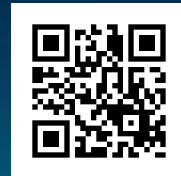
# Unleash the power of hydrovar X!

## 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!



Learn more about  
e-HVX and e-HVXR Packaged  
Booster Systems



**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 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.

**Reliable:** Multi-master control functionality ensures that in the event of a fault or failure within one or more pumps in a package, that the system will continue to operate until corrective action can be taken.

**Built-in protections:** Integral system intelligence provides electrical and mechanical protection.

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

**Compact design:** The new e-HVXR features a reduced package footprint relative to legacy e-HV systems and competitive products, allowing for space savings up to 30% due to the orientation of the suction and discharge manifolds.



e-HV

e-HVXR



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

<b>Display:</b>	Graphic color
<b>Controls:</b>	Actuator, constant pressure. proportional pressure, proportional quadratic pressure, constant flow, constant temperature, constant level
<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®

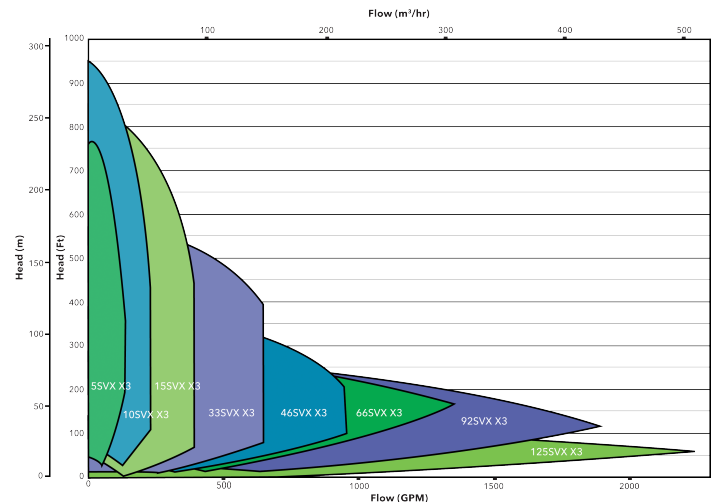
## e-HVX packaged booster system specifications

<b>Flow rate:</b>	up to 2100 GPM (477 m3/h)
<b>Head:</b>	up to 880 ft (189 m)
<b>Temperature of pumped liquid:</b>	32°F to 180°F (0°C to / 82°C)
<b>Maximum operating pressure:</b>	380 psi (26 bar)
<b>Environment temperature:</b>	-4°F to 122°F (-20°C to 50°C)
<b>Multi-pump:</b>	up to 3 pumps (booster package)

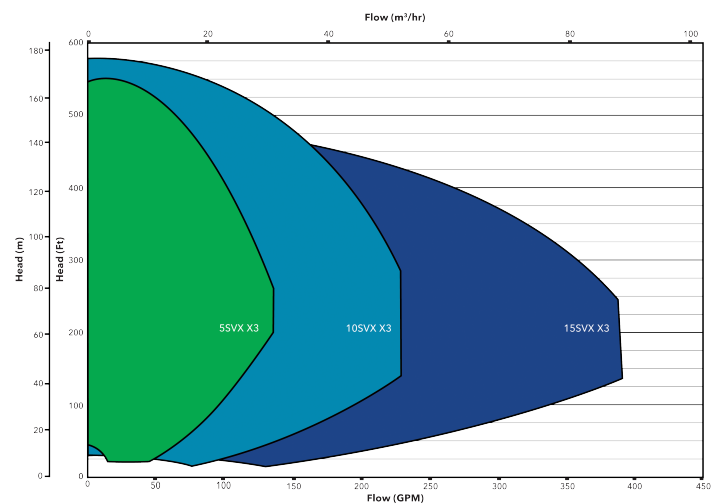
## e-HVXR packaged booster system specifications

<b>Flow rate:</b>	up to 380 GPM
<b>Head:</b>	up to 550' TDH
<b>Temperature of pumped liquid:</b>	32°F to 180°F (0°C to / 82°C)
<b>Maximum operating pressure:</b>	270 psi (18.5 bar)
<b>Environment temperature:</b>	-4°F to 122°F (-20°C to 50°C)
<b>Multi-pump:</b>	up to 3 pumps (booster package)

## e-HVX packaged booster system family curves



## e-HVXR packaged booster system family curves



## hydrovar X smart motor dimensions

Motor power HP (kW)	H in (mm)	W in (mm)	D in (mm)
4 - 7.5 (3-5.5)	11.38 (289)	10.08 (256 mm)	11.18 (284)
7.5 - 15 (5.5-11)	13 (329)	11.89 (302 mm)	13.82 (351)
15 - 30 (11-22)	15.75 (400)	14.25 (362 mm)	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 [xylem.com/security](http://xylem.com/security).

Xylem Inc.

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

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Let's Solve Water