



## Series e-HMX Smart Pump

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-HMX Smart Pumps offer customizable pumping solutions designed to deliver ultra-premium efficiency, connectivity, and simplicity right out of the box!

e-HMX Smart Pumps integrate decades of expertise and know-how in pumping solutions to bring the right combination of motors, variable speed drive and hydraulic pumps in one comprehensive, highly efficient package. It is a versatile horizontal multistage pump designed for best-in-class efficiency and superior durability to reduce the total cost of ownership. Customizable options mean you get exactly the right pump for your application, exactly when you need it.

So, when it's time to think efficiency, performance and reliable market-leading technology ... start with e-HMX Smart Pumps from Goulds Water Technology - a complete system, delivering the solutions you need for today.

## Features and applications of e-HMX Smart Pumps

The e-HMX is a stainless steel horizontal multistage pump designed for commercial and industrial use. Applications include industrial washing and cleaning, food and beverage, industrial refrigeration, water treatment and OEM custom applications.

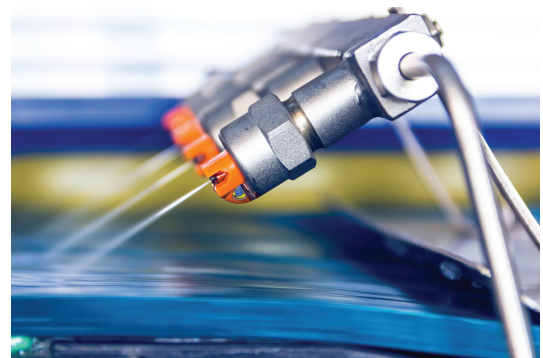
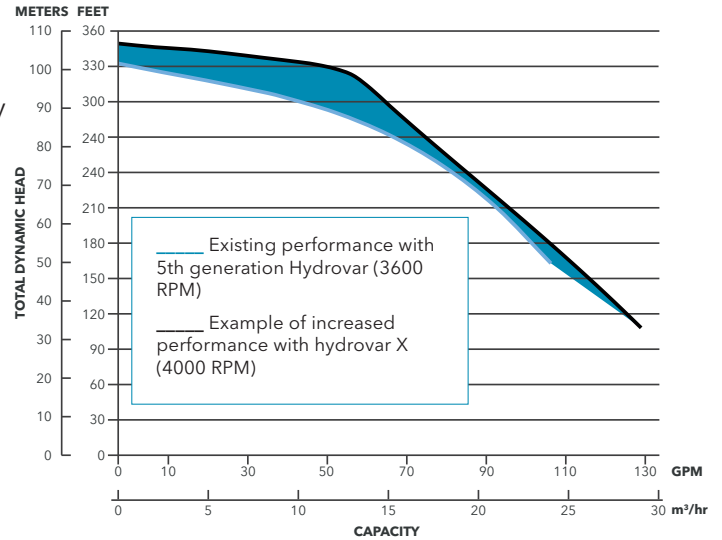
**Powerful versatility** - The e-HMX can be configured for a wide range of applications with two designs, six models and modular construction, it's completely customizable.

**Compact, durable design.** The smaller motor and space-saving design lets the e-HMX fit where you need it. The balanced impeller reduces axial thrust 40%, extending motor bearing life. And a 20% thicker pump body enhances durability, increasing reliability.

**More performance for less cost.** The e-HMX is a high-performance Smart Pump with full pressure-boosting capabilities—using significantly less energy. With the e-HMX, users can do more, while spending less!

## Performance

(representative example of increased performance with hydrovar X)



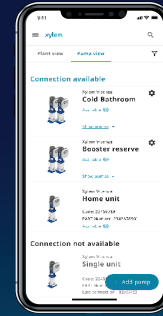
# Unleash the power of hydrovar X!

## Don't hold back your imagination!

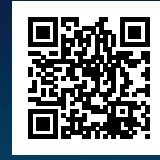
With the graphical color display, you can quickly set-up and navigate the menu of your unit: check all the parameters and choose the perfect unit configuration to fit your installation. No time to do it? Genie will start up and run the unit for you!



## 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 hydrovar X one of the easiest drives 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.

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

**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.

**Compact design:** hydrovar X motors offer higher performance with a reduced footprint when compared to Aquavar IPC solutions. Increased performance reduces electricity consumption and lowers life cycle costs.

## e-HM with wall mounted Aquavar IPC



## e-HMX Smart Pump



When compared to the e-HM with wall mounted Aquavar IPC, the e-HMX's integrated drive and motor reduces floor and wall space in a compact, easily serviceable pump package.



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

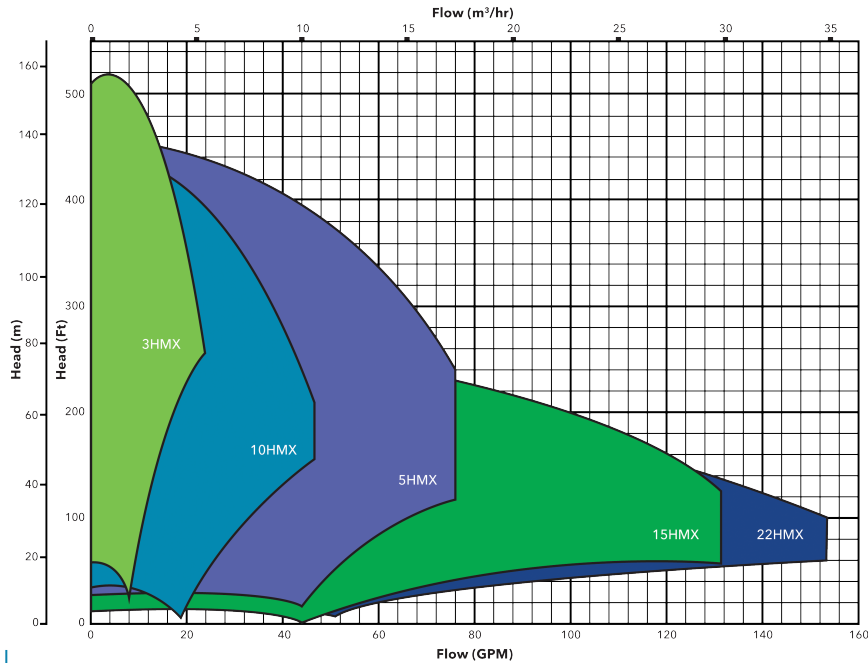
## hydrovar X Smart Motor Specifications

<b>Display:</b>	Graphic color
<b>Controls:</b>	Actuator, Constant Pressure, Proportional Pressure, Proportional Quadratic Pressure, Constant Flow, Constant Temperature, Constant Level
<b>Multi-Pump:</b>	up to 8 pumps
<b>Enclosure:</b>	IP55/NEMA 4
<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, Standard set of I/Os, Extended I/Os
<b>Functionality:</b>	Linear proportional pressure
<b>Mobile app:</b>	Wireless communication

## e-HMX Smart Pump Specifications

<b>Flow rate:</b>	up to 150 GPM (34 m³/h)
<b>Head:</b>	up to 509 ft (155 m)
<b>Temperature of pumped liquid:</b>	20°F to 248°F (-30°C to 120°C)
<b>Maximum operating pressure:</b>	230 psi (16 bar)
<b>Environment temperature:</b>	-4°F to 122°F (-20°C to 50°C)

## e-HMX Smart Pump 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)



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Learn more about e-HMX Smart Pumps

