

## Packaged Pumping Systems

# HYDRO MPC BOOSTERPAQ®

Grundfos Hydro MPC BoosterpaQ is a fully integrated system with pump, motor and variable frequency drive – all from one manufacturer.

The system is controlled by the advanced CU 352 MPC controller, and features the extremely reliable, high efficiency CR pump range with MLE permanent magnet (ECM) integrated VFD/motor and hygienically designed 316 stainless steel manifolds.

This packaged pumping system is factory assembled and factory tested to the highest standard to ensure trouble free installation and commissioning.

## The Best Booster System Just Got Even Better

- The new MLE permanent magnet (ECM) motor offers an additional 7-10% decrease in energy cost over NEMA Premium motors with conventional variable frequency drives
- System NSF 61/372 Approval allows us to build complete packaged pumping systems in unsurpassed pressure ranges
- Seismic certification by OSHPD (OSP-0491-10) for MPC E (CUE) systems

## Key Features and Benefits

- Saves energy with the most efficient cascade control, application optimized software, and pumps in the industry
- Control features include estimated flow readout on controller and specific energy readout with inclusion of flow meter
- Built-in logging capability provides historical information for trouble-shooting and energy analysis
- Low flow stop control that exceeds ASHRAE 90.1 energy code for service water boosters
- Simple to operate with large, user friendly and advanced controls interface
- SCADA communication capable via ethernet and all industry standard BUS protocols
- Built with the world's number one multi-stage centrifugal pumps, the CR and CRE, known for their reliability, efficiency and adaptability
- MLE permanent magnet (ECM) motor in combination with pumps and advanced control with customizable software, optimizes your system's performance for any load point, resulting in an unsurpassed reduction of energy consumption of 18%, or greater, in comparison to conventional VFD constant pressure systems



- Single source responsibility ensures one manufacturer for pumps, motors, drives and control
- Hygienically designed 316 stainless steel manifolds guarantee protection against corrosion, and extrusion process results in hydraulic optimization, reduced pressure loss and noise
- Small footprint plug-and-pump complete solution

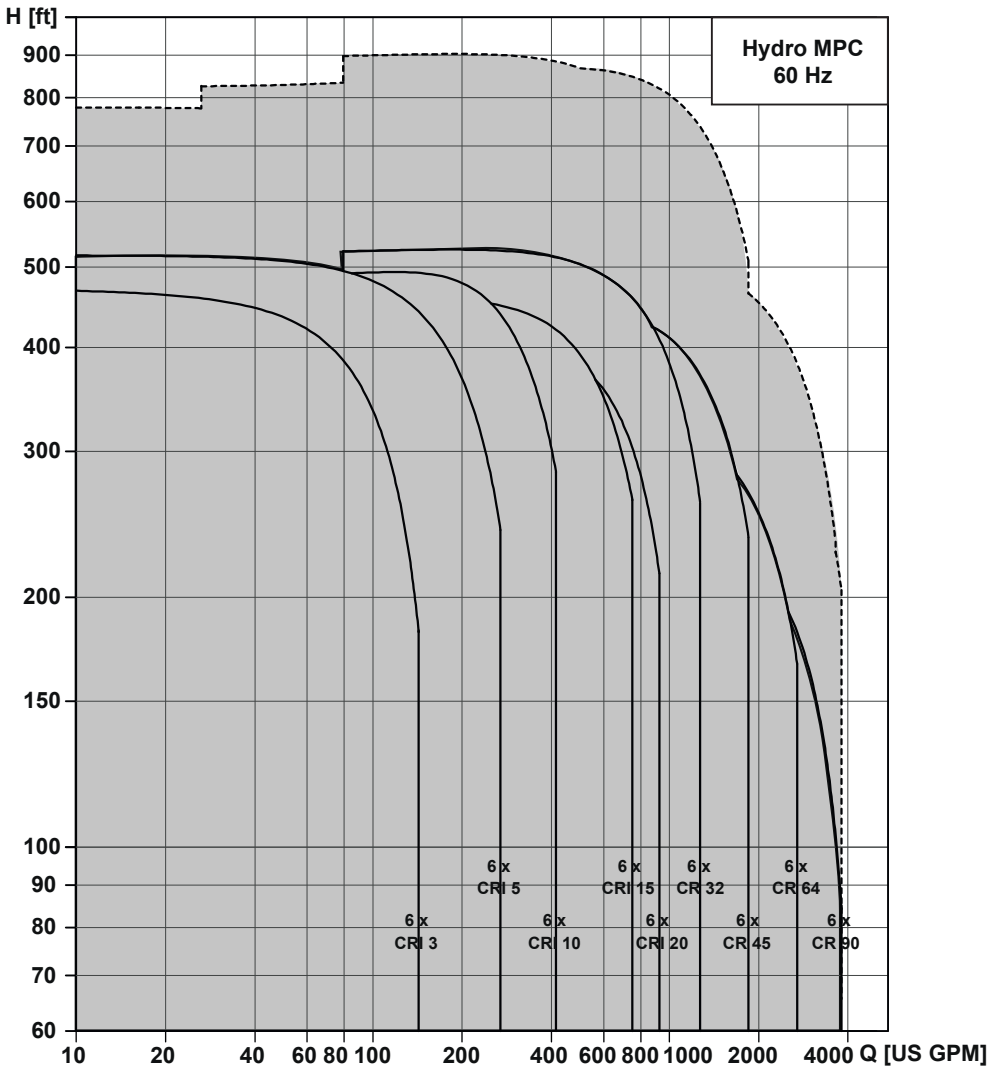
### APPLICATIONS

- Domestic water pressure boosting
- Multi-story and commercial buildings
- Water utility and municipal settings
- HVAC applications
- Industry and plant boosting
- Irrigation

# HYDRO MPC **Technical Data**

HYDRO MPC INFORMATION	
Flow, Q (2-6 pumps):	max. 3,600 gpm (818 m <sup>3</sup> /h)
Head, H:	max. 800 ft. (244 m.)
Liquid Temperature:	32 °F to 180 °F (0 °C to 82 °C)†
Approvals:	System NSF 61/372 Approval OSHDP - Seismic Certification (OSP-0491-10) UL Listed Packaged Pumping System

† Higher temperatures available on request.



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