



## Packaged Pumping System

# Grundfos Hydro MPC CME

*The Grundfos Hydro MPC CME is a compact, reliable, and energy efficient packaged pumping system ideal for pressure boosting and HVAC applications in apartments, large homes, and multistory buildings.*

*The advanced Grundfos controls and MLE motor, in combination with variable speed multistage pumps, deliver unsurpassed system efficiency. This plug-and-pump system is easy to specify, install and will provide energy efficient and reliable operation for years.*

## Key Features and Benefits

- Single source responsibility ensures one point of contact for all questions and service
- Affordable packaged system with the most advanced controller; offered in 2-3 pump configurations
- Compact design fits into tight spaces—through a 36" standard door—making it ideal for retrofits
- Drinking water approvals from UL Listed Packaged Pumping System and NSF 61/372 drinking water certified; plus ASHRAE 90.1 compliant

### CU 352 controller

- Pump cascade control, using efficiency-based sequencing, delivers the most efficient operation and protects pumps from running outside their duty range
- SCADA communication capable via Ethernet and all industry standard BUS protocols utilizing CIM expansion cards, with BACnet MSTP as standard
- 100kA SCCR fault current rated panel
- Built-in logging capability records operational data such as system built-in performance, flow estimation and energy consumption for troubleshooting and energy analysis
- Proportional pressure control makes possible to simulate remote mounted sensor for simplified installation
- Secondary (fallback) sensor allows for system control from local sensor, with corresponding setpoint, if remote sensor fails
- Check valve failure notification warns or alarms, based on check valve leak rate
- HVAC controls includes differential pressure control from the two integrated sensors and multizone control for up to six zones

### CME Pump

- Horizontal multistage pump that is a compact, reliable and quiet solution
- Materials of Construction: cast iron (ASTM A48), stainless steel (AISI 304 and AISI 316)

### MLE Motor

- Grundfos Permanent Magnet MLE motors' offer significant energy savings over NEMA Premium motors with conventional VFD's
- Built-in protection against power supply interruptions, along with environment and motor load
- Innovative design mitigates against bearing currents

### Manifolds

- 316 stainless steel manifolds are engineered to reduce pressure loss and protect against corrosion

### Applications

- Pressure Boosting
- Hydronic Heating and Cooling

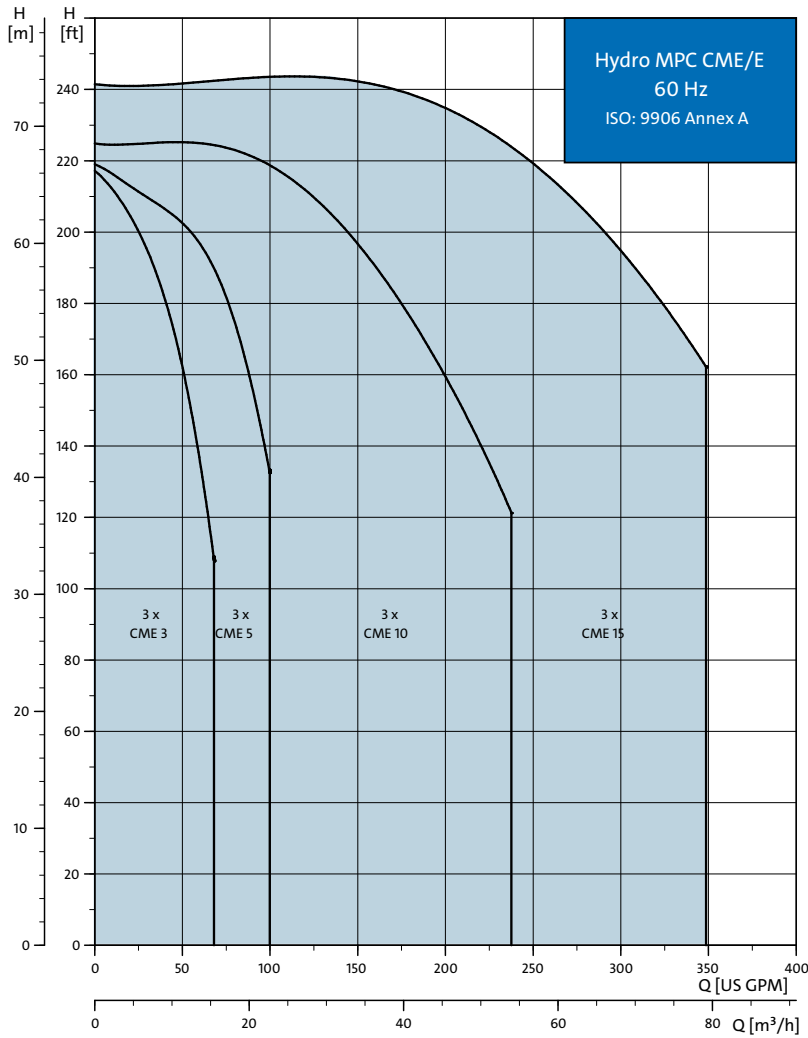
**GRUNDFOS** 

Possibility in every drop

## Technical Data

Hydro MPC CME	
<b>Flow, Q (2-3 Pumps):</b>	Max. 345 gpm (78.36 m <sup>3</sup> /h)
<b>Head, H:</b>	Max. 230 ft (70 m)
<b>Working pressure:</b>	Max. 145 psi (10 bar)
<b>Liquid Temperature:</b>	<ul style="list-style-type: none"> <li>• CME3-5: 32°F to 140°F (0°C to 60°C)</li> <li>• CME10-15: 32°F to 180°F (0°C to 82°C)</li> </ul>
<b>Approvals:</b>	<ul style="list-style-type: none"> <li>• System NSF 61/372 Certified</li> <li>• UL Listed Packaged Pumping System</li> </ul>

## Performance Data



Visit [grundfos.us/pei](https://grundfos.us/pei) to learn more about Department of Energy (DOE) pump energy index (PEI) requirements and PEI ratings on specific Grundfos models.