

**THERE ARE THREE THINGS THAT NEED TO BE DETERMINED WHEN SELECTING A PRESSURE BOOSTER SYSTEM: **SYSTEM WATER DEMAND**, **SYSTEM PRESSURE DEMAND** AND **AVAILABLE VOLTAGES**.**

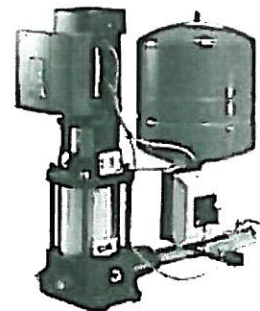
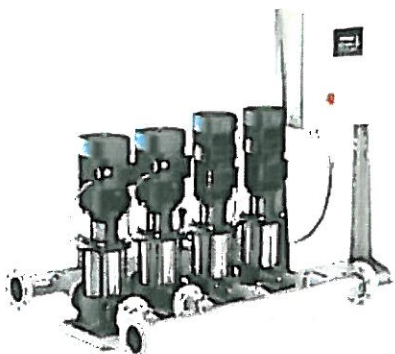
SYSTEM WATER DEMAND – WATER DEMAND OR FLOW RATE IS THE VOLUME OF WATER-IN GPM-THAT NEEDS TO BE DELIVERED TO ANY PART OF THE BUILDING EACH MINUTE OF THE DAY.

1. (EASY) Knowledge of total system gpm required.
2. Calculating GPM from line size and fixture units.

SYSTEM PRESSURE DEMAND – PRESSURE DEMAND IS THE PRESSURE OF THE WATER, IN POUNDS PER SQUARE INCH (1psi = 2.31ft), THAT MUST BE SUPPLIED WHILE FLOWING THE REQUIRED WATER DEMAND.

1. (EASY) Knowledge of total foot head required.
2. Calculating the difference in vertical height between the discharge outlet of the booster pump and the highest fixture/device, along with the system residual pressure from friction losses in – piping, valves, fittings/devices and bushings.

AVAILABLE VOLTAGE – Some models of pumps are only available in specific voltages, phases and hertz. Knowing available voltages will help narrow down the selection of the correct booster pump.



**Please contact WMS Sales at (716) 741-9575 for additional information!**

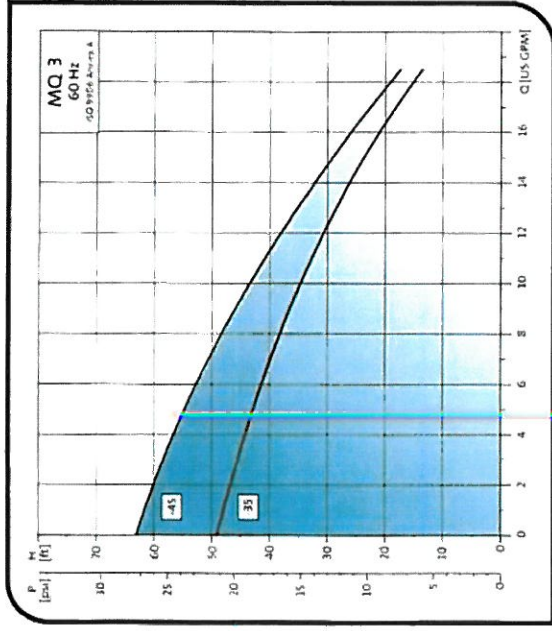
WMS Sales, Inc. - 9580 County Rd. - Clarence Center, NY - 14032  
Fax: (716) 741-4810 e-mail: [Customerservice@wmssales.com](mailto:Customerservice@wmssales.com)

## GRUNDFOS MQ

Flow-based pressure boosting system



### Performance Curve:



The Grundfos MQ is a compact, all-in-one pressure boosting system, designed for domestic water supply applications. The MQ, with its smart operation is both easy to install and reliable.

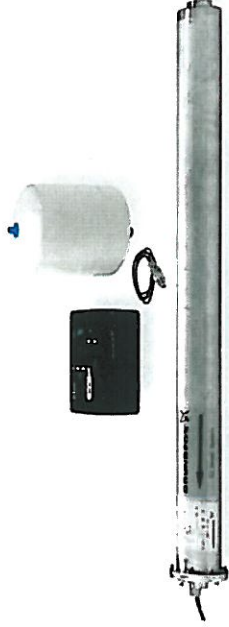
- Complete system
- Low noise
- Built-in protective functions
- Automatic reset

Available Voltages – All Pumps Single Phase:

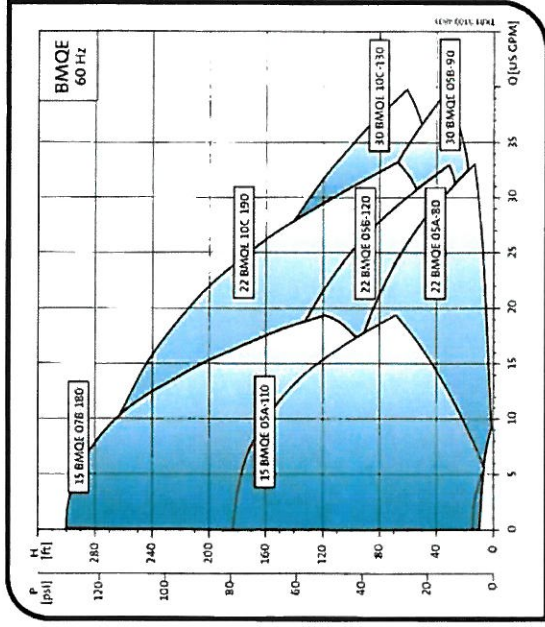
Pump Type	Volts
MQ 3-35	115/230
MQ 3-45	115/230

## GRUNDFOS EZ BOOST

Constant pressure at the touch of a button



### Performance Curve:



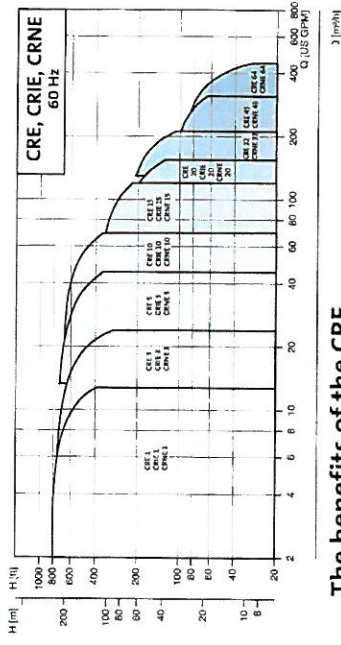
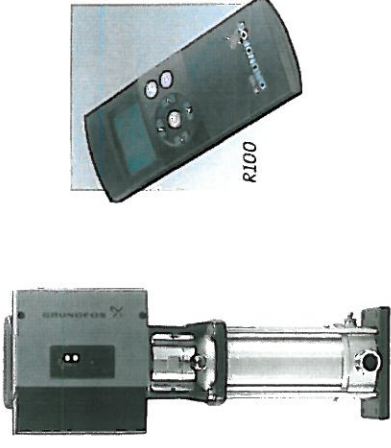
Grundfos' EZ Boost is a complete constant pressure boosting system. Its rugged design and easy-to-use interface ensures low-maintenance and trouble free operation.

- Dry-run protection
- Over voltage and under voltage protection
- Standard home outlet voltages (single phase)
- Many installation options

Available Voltages – All Pumps Single Phase:

Pump Type	Volts
15 BMQE 05A-110	115/230
15 BMQE 07B-180	230
22 BMQE 05A-80	115/230
22 BMQE 05B-120	230
22 BMQE 10C-190	230
30 BMQE 05B-90	230
30 BMQE 10C-130	230

## CRE: A smart way to save



### The benefits of the CRE

The CRE pump's integrated frequency drive provides a wide range of unique benefits:

- Energy consumption reduced by up to half compared to fixed speed pumps
- Remote control/fieldbus monitoring and data collection
- Reduced system wear
- Integrated sensor available
- Easy installation and operation — settings and internal connections done at factory
- Full range of pumps for all applications
- Superior user comfort

	Single-phase motors	Three-phase motors
Power supply	1x200-240V, 50/60Hz	3x208-230V, 60Hz
Power range	0.5 - 1.5 Hp	1.5 - 7.5 Hp
		1 - 10 Hp