

# MCI 4 AUTO

MCI series pumps are characterized by high quality of workmanship, additionally the AUTO version is equipped with a high-efficiency frequency converter. Pumps equipped with frequency converters form a well-tuned system that allows the system pressure to be kept at a constant level, regardless of the water demand. A frequency converter integrated with the pump will reduce electricity consumption. Compared to the traditional water supply, the onstant pressure water supply system with frequency converter saves energy up to 60%. The speed of the pump motor is adapted to the different operating conditions of the installation. In order to maintain smooth operation, the pump is equipped with a diaphragm vessel.

The pump equipped with an inverter is an easy-to-use control and safety device, maintaining a constant set water pressure. Support the change of the pump motor rotational speed.

## Advantages:

- Quiet operation: can be installed at home
- Simple operation: easy operation, all functions can be finished by pressing a button.
- Reliability for many years of associated pumps: the average torque and the shaft abrasion are reduced due to the decrease in the average speed, which ensures a longer service life of the pump. Due to the built-in soft start and stop function, the device allows to eliminate the water hammer.
- Comprehensive protection: the system has the most comprehensive protection technology of overcurrent, overvoltage, undervoltage, short circuit, locked rotors, the ability to protect the pump against dry running without the need to install probes / sensors in the well.
- The kit is equipped with a check valve.
- Economical: by using an inverter, the pump consumes much less electricity compared to sets without an inverter.

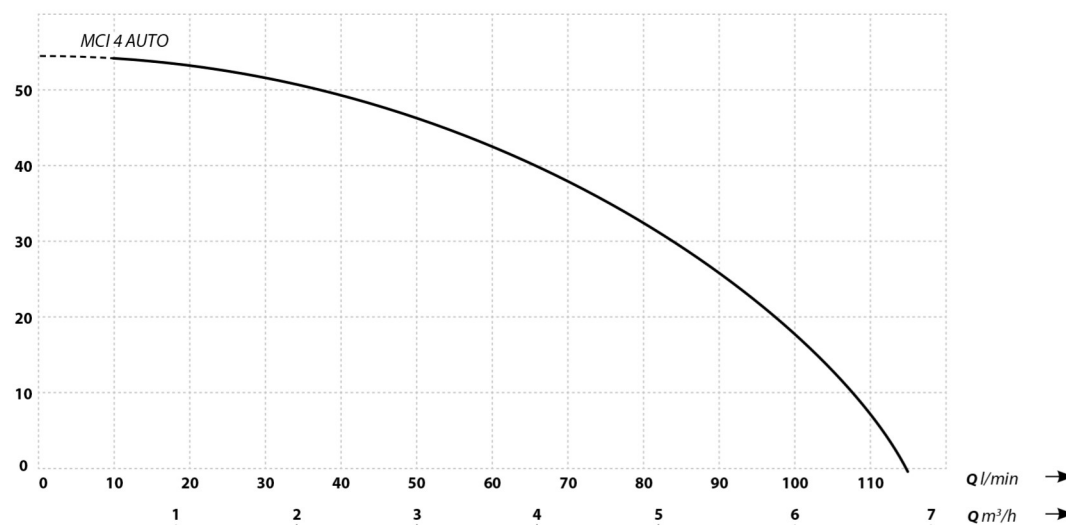


## Working conditions:

- Liquid temperature:  $\leq 70^{\circ}\text{C}$
- Ambient temperature:  $\leq 50^{\circ}\text{C}$
- Maximum pressure in the installation: up to 10 bar
- Degree of protection: IP55
- Insulation class: F

## Materials:

- Body - AISI 304 stainless steel.
- Shaft - AISI 304 stainless steel.
- Mechanical stuffing box - SIC / SIC / EPDM
- Connectors: stainless AISI 304
- Impellers, diffusers, diffuser covers - AISI 304 stainless steel.
- Inter-wall: AISI 304 stainless steel
- Base: Steel
- Motor: closed-frame asynchronous cage motor, aluminum housing, external ventilation



Model	Head (m)	Flow (l/min)	Motor power (W)	Voltage (V)	Suction capacity (m)	Rational speed range (RPM)	Inlet/outlet (inch)	Dimensions L/H/W (cm)	Weight (kg)
MCI AUTO	54	115	1200	230	8	0-3500	1¼ × 1	350/430/165	15,5