



## WALRUS PUMP CO., LTD.

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**NEW**

## WQ\_B Series Water-Cooled Electronic Control Pump

Water-cooled and fanless design, the ultra-quiet water pump



*Better Life Through Innovation*



# Suitable for various applications to meet different needs

## Suitable for different fields with various water transfer applications

The water-cooled fanless electronic control pump is suitable for various demands such as residential, apartment, office, and commercial applications. It can be used for home water supply, sprinkler, air conditioning, service industry, restaurants, logging, or other water circulation applications. Multiple safety protection designs, RoHS 2.0 certification for harmless materials, and added silver ion (Ag+) to the pump casing have been scientifically proven to inhibit microbial growth up to 99%.



# Water-cooled, fanless, multi-functional & user-friendly design



Smart display panel

**Smart display panel**  
Real-time monitoring of operation status.

External Component Description					
1	Horizontal outlet	4	Display panel		
2	Vertical outlet	5	Voltage switch		
3	Inlet	6	Pressure tank		



## Dual outlet design, suitable for various installation spaces



Outlet option



Horizontal outlet



Vertical outlet



Horizontal & Vertical outlets

### Double dry-run protection

Thermal overload and program-controlled dry-running protections

### Harmless and antimicrobial material

Pump body material meets RoHS requirements

Adding silver ion (Ag+) to the pump casing has been scientifically proven to inhibit microbial growth by up to 99% over 24 hours

### High performance and durable

SUS 304 impeller with centrifugal design to provide robust and stable water flow.



Voltage switch

110V or 220V



No Fan noise

Ultra-quiet by fanless design







# WQ\_B Series

## Water-Cooled Electronic Control Pump

### 50 Hz

Power : 0.18 - 0.37 kW

Head : Up to 31 M

Flow : Up to 85 L/min

Outlet : 1"

Inlet : 1"

### 60 Hz

Power : 0.18 - 0.37 kW

Head : Up to 26.5 M

Flow : Up to 83 L/min

Outlet : ¾" - 1"

Inlet : ¾" - 1"



Construction Industry



Agriculture &amp; Fishing Industry



Manufacturing Industry



Electricity &amp; New Energy Industry



Entertainment &amp; Leisure Industry



Accommodation &amp; Food Service Industry



Wholesale &amp; Retail Industry



Water Supply &amp; Pollution Control



Service Industry

## Product Features

- All-in-one unit, consisting of pump, motor, pressure tank, and electronic controller. The built-in electronic controller provides constant pressure which ensures that the pump starts automatically when water is consumed and operates continuously until water is not required.
- Wet parts are constructed from top-quality corrosion-resistant materials.
- The impeller adopts a 304 stainless steel multi-stage centrifugal design, with high strength, high energy efficiency, and low noise during operation.
- The motor has a built-in thermal overload to protect against high operating temperatures and overcurrent.
- When the pump's internal temperature exceeds 55°C due to waterless operation, the pump automatically stops running. It also comes with program-controlled waterless protection.
- Anti-cycling function to avoid frequent pump start-stop problems caused by low water flow.

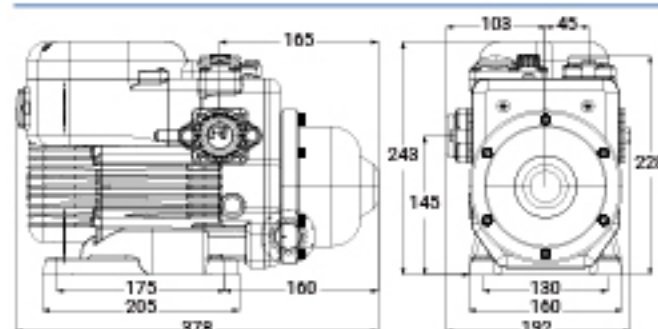
## Operating Conditions

- Ambient temperature: Max. +40°C
- Liquid temperature: +4°C ~ +40°C
- Relative humidity: Max. 85%(RH)
- System Pressure: Max. 8.5 kg/cm<sup>2</sup>
- Inlet Pressure: Must be less than the pressure switch start value.

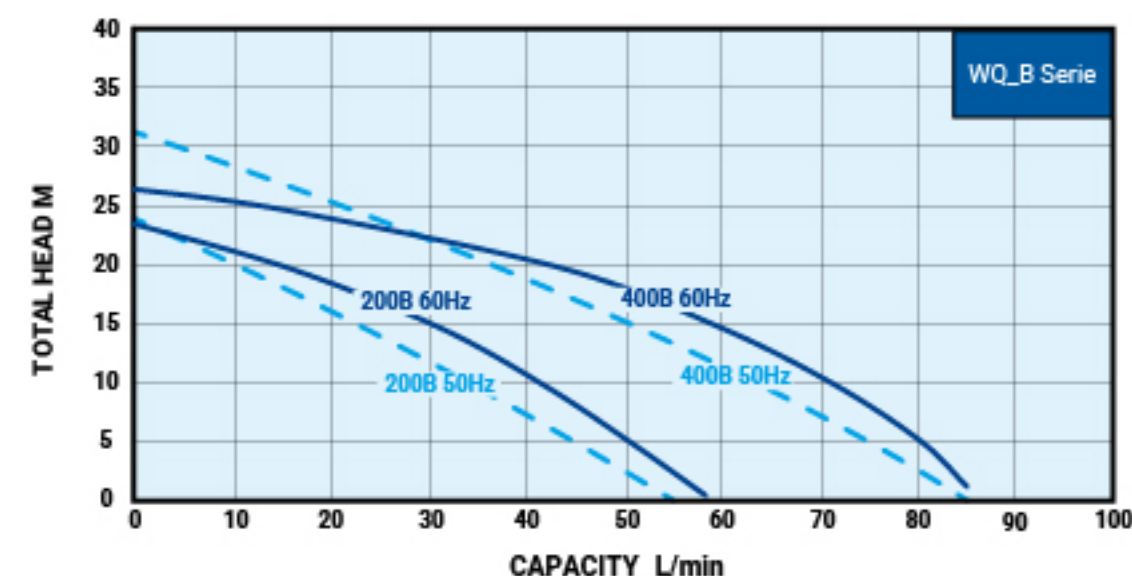
## Applications

- Apartment and residential water supply
- Automatic booster system
- Underground pumping system
- Landscaping
- Drinking water system

## Dimensions



## Performance Curve



## WQ\_B Series 50Hz

Model	Power kW	Cycle Hz	Phase Ø	Volt V	Amp's A	Inlet in.	Outlet in.	Preset activation point kg/cm <sup>2</sup>	H max. m	Q max. L/min	N.W. kg	
WQ200B	0.18	50	1	200 / 240	1.5	1"	1"	1.6	24	55	7.7	36
WQ400B	0.37	50	1	200 / 240	2.8	1"	1"	2.0	31	85	9.2	36

\*The 50Hz series in the table is the expected development specification



## WQ\_B Series 60Hz

Model	Power kW	Cycle Hz	Phase Ø	Volt V	Amp's A	Inlet in.	Outlet in.	Preset activation point kg/cm <sup>2</sup>	H max. m	Q max. L/min	N.W. kg	
WQ200B	0.18	60	1	110 / 220	4 / 2	¾"	¾"	1.6	23.7	56.5	8.2	36
WQ400B	0.37	60	1	110 / 220	6 / 3	1"	1"	1.8	26.5	83	9.2	36