

BLACK+DECKER B09BBMK3VR

BLACK+DECKER 1.5 HP Variable Speed In Ground Pool Pump Instruction Manual

Model: B09BBMK3VR

1. PRODUCT OVERVIEW

The BLACK+DECKER 1.5 HP Variable Speed In Ground Pool Pump is designed for efficient and quiet operation, featuring WiFi connectivity and Energy Star certification. This pump is equipped with a self-priming variable speed motor, offering low-speed options for thorough filtration and exclusive self-diagnostics to maintain high performance. It supports dual voltage (115V/230V) with an automatic smart sensor for versatile installation.

- **Self-Priming, Quiet, Variable Speed Motor:** Features low speed options for thorough filtration and exclusive self-diagnostics.
- **Consumer-Friendly Installation:** Includes 1.5" and 2" ports, an easy-to-program touchpad for optimal speeds, and an automatic smart dual voltage sensor (115V-230V).
- **Energy Efficient:** Permanent magnet technology increases pump efficiency, earning Energy Star Certification and qualifying for utility rebates in select states.
- **WiFi Enabled:** Connects to any smartphone or smart device for remote control and monitoring.



Image 1.1: The BLACK+DECKER 1.5 HP Variable Speed In Ground Pool Pump.

Self Priming, Variable Speed, In Ground Pool Pump



Image 1.2: The pump is self-priming and features variable speed for in-ground pool applications.

Key Features



- In Ground Pool Pump
- Self Priming
- 2 Horsepower, 220 - 240V
- Totally Enclosed Fan-Cooled (TEFC) permanent magnet motor for maximized reliability and longevity
- Programmable variable speed controls to efficiently tailor the flow to your pool's needs

Image 1.3: Key features include self-priming, variable speed, and a totally enclosed fan-cooled permanent magnet motor.

2. SAFETY INFORMATION

This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Always follow local codes and ordinances for installation and operation. Ensure proper electrical bonding to prevent stray voltage.

3. WHAT'S IN THE BOX

Upon unboxing your BLACK+DECKER Variable Speed Pool Pump, you will find the following components:

- BLACK+DECKER Variable Speed Pool Pump unit with motor and controller
- Instruction Manual
- Pump basket

- Pump lid with O-ring
- Electrical cover for wiring compartment
- Union fittings for 1.5" and 2" plumbing connections
- Drain plugs
- Adjustable base (optional for installation)



Parts Include

- Union adapters for both 1.5" and 2" pipes
- Adjustable base

Image 3.1: The pump comes with union adapters for both 1.5" and 2" pipes, and an adjustable base.

4. INSTALLATION

Proper installation is crucial for optimal performance and safety. Ensure the pump is installed on a level, stable surface. The pump is designed for consumer-friendly installation with both 1.5" and 2" port adapters included. The automatic smart dual voltage sensor (115V-230V) simplifies electrical setup.

4.1 Electrical Connections

The pump features an electrical box for wiring. It accepts 220V power. Ensure proper bonding of the pump to the rest of the pool equipment to prevent stray voltage. Refer to the wiring diagram provided in the instruction manual for detailed steps.

4.2 Plumbing Connections

The pump includes union fittings to connect to either 1.5" or 2" plumbing lines. These threaded fittings allow for easy removal of the pump if needed. Ensure all connections are watertight to prevent leaks.

4.3 Mounting

The adjustable base can be removed to anchor the pump directly to your pad, reducing vibration and ensuring a secure connection.

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Video 4.1: This video demonstrates the installation and startup process for the BLACK+DECKER Variable Speed Pool Pump.

5. OPERATION

The pump features an easy-to-program touchpad for setting optimal speeds and schedules. This allows you to customize operation for different needs, such as running at low speed overnight for quiet filtration and higher speeds during peak usage.

5.1 Programming Speeds and Schedules

The touchpad allows you to set up to four different speeds and durations. You can program specific times for each speed setting to optimize energy consumption and filtration. The WiFi capability allows for control via a smartphone or smart device.

Easy To Operate

Use the easy programming touch pad to individually customize the 4 speeds of this pump. Ranging from 350 RMPS to 3,450 RPMS



Image 5.1: The easy programming touchpad allows customization of 4 speeds, ranging from 350 RPM to 3,450 RPM.

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Video 5.1: This video provides instructions on how to program the time and schedule speeds for the BLACK+DECKER Pool Pump.

6. MAINTENANCE

Regular maintenance ensures the longevity and efficiency of your pool pump. Key maintenance tasks include cleaning the pump basket and proper winterization.

6.1 Cleaning the Pump Basket

The pump basket is easily accessible by removing the clear lid. Regularly check and clean the basket to prevent debris buildup, which can reduce pump efficiency and flow.

6.2 Winterization

For regions with freezing temperatures, the pump is equipped with drain plugs on both the inlet and outlet sides. Remove these plugs to drain all water from the pump and prevent freeze damage during winter months.

7. TROUBLESHOOTING

If you encounter issues with your pump, refer to the following general troubleshooting tips:

- **Pump not running:** Check power supply, circuit breaker, and ensure all electrical connections are secure. Verify the controller settings.
- **Low flow/pressure:** Clean the pump basket, check for blockages in plumbing lines, and ensure all valves are open.
- **Air in system:** Inspect all plumbing connections for leaks. Ensure the pump is properly primed.
- **Unusual noise:** Check for debris in the impeller or pump basket. Ensure the pump is securely mounted to reduce vibration.

8. SPECIFICATIONS

Feature	Specification
Brand	BLACK+DECKER
Model	BDXBTVAR150 (1.5 HP)
Color	Black
Material	Plastic
Style	In Ground Pool Pump
Product Dimensions (L x W x H)	26.5" x 11" x 13"
Power Source	Corded Electric
Item Weight	29 Pounds
Maximum Flow Rate	80 Gallons Per Minute
Voltage	Dual Voltage (115V/230V)
Manufacturer	Blue Torrent Pool Products

Product Specifications

Model: BDXBTV23825 HHP: 0.997/0.983
VoLT: 115V/230V THP: 1.50
FREQ: 50/60HZ WEF: 8.2/8.4
Amp: 14.5/7
RPM: 1000-3450 r/min
Qmax 463L/Min (122GPM)
Hmax: 24M (79FT)
Max Water Temperature: 40°C/104°F



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CONFORMS TO UL STD. 1081

CERTIFIED TO CSA STD. C22.2 NO. 108

Image 8.1: Detailed product specifications for Model BDXBTV23825, including voltage, frequency, amperage, RPM range, and maximum flow rate.

9. WARRANTY AND SUPPORT

The BLACK+DECKER 1.5 HP Variable Speed In Ground Pool Pump includes a 5-Year Warranty. For warranty claims or technical support, please contact the manufacturer, Blue Torrent Pool Products, or refer to the contact information provided in your product packaging.

Your browser does not support the video tag.

Video 9.1: This official seller video highlights the energy-saving benefits of the BLACK+DECKER Variable Speed Pool Pump.