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BLACK+DECKER 51765-A

BLACK+DECKER Self-priming pump BXGP1100XBE User Manual

Model: BXGP1100XBE

INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your BLACK+DECKER BXGP1100XBE self-priming pump. The BXGP1100XBE is designed to recover clean water from wells, tanks, or reservoirs for various uses such as garden irrigation, powering household appliances, or sanitary fixtures. Utilizing rainwater for these purposes helps conserve drinking water. Please read this manual thoroughly before operating the pump and keep it for future reference.

SAFETY INFORMATION

Always observe basic safety precautions to reduce the risk of fire, electric shock, and personal injury. This pump operates on 230 volts AC. Ensure the power source matches the pump's requirements.

- **Electrical Safety:** Ensure the pump is connected to a properly grounded outlet. Do not operate with damaged cords or plugs. Avoid using extension cords if possible; if necessary, use a heavy-duty outdoor-rated cord.
- **Placement:** The pump must be placed on a stable, dry, and frost-free surface. Do not submerge the pump.
- **Water Temperature:** The maximum water temperature for operation is 35°C.
- **Children and Pets:** Keep children and pets away from the operating pump.
- **Maintenance:** Disconnect power before performing any maintenance or cleaning.
- **Pre-filter:** It is advisable to install a pre-filter between the suction hose and the suction connection to prevent impurities from entering the pump, ensuring a longer lifespan.

PRODUCT OVERVIEW

The BLACK+DECKER BXGP1100XBE is a robust self-priming pump designed for efficient water transfer. Key components include:

- **Motor:** 1100W motor with high temperature protection.
- **Tank:** 24-liter carbon steel tank for water supply.

- **Pressure Gauge:** Integrated to monitor water pressure in the tank.
- **On/Off Switch:** For easy control of pump operation.
- **Handle:** Integrated handle for convenient transport.
- **Body:** Corrosion-resistant stainless steel body.



Figure 1: Front view of the BLACK+DECKER BXGP1100XBE self-priming pump, showing the motor, tank, and pressure gauge.

SPECIFICATIONS

Feature	Value
Brand	BLACK+DECKER
Model Number	BXGP1100XBE (51765-A)
Power Consumption	1100 W
Max. Flow Rate	4600 l/h
Max. Head	45 m
Working Pressure	4.5 bar

Max. Water Temperature	35°C
Max. Suction Height	8 m
Fittings Diameter	G1"
Cable Length	1 m
Tank Capacity	24 l
Voltage	230 Volts (AC)
Item Weight	14.1 Kilograms (31 pounds)
Product Dimensions (L x W x H)	19.53 x 10.75 x 19.61 inches
Material	Stainless Steel, Steel

SETUP AND INSTALLATION

Proper installation is crucial for the pump's performance and longevity.

- Placement:** Position the pump on a flat, stable, dry, and frost-free surface. Ensure adequate ventilation around the pump.
- Suction Hose Connection:** Connect a suction hose with a minimum diameter of 25 mm (1 inch) to the pump's suction connection. Ensure all connections are airtight to prevent air leaks, which can affect priming.
- Pre-filter Installation (Recommended):** Install a pre-filter between the suction hose and the pump's suction connection. This will protect the pump from debris and impurities present in the water source.
- Discharge Hose Connection:** Connect the discharge hose to the pump's outlet. Ensure this connection is also secure.
- Priming:** Before first use, the pump must be primed. Fill the pump casing with water through the designated filling port until it overflows. This ensures the pump can create the necessary vacuum for self-priming.
- Electrical Connection:** Plug the pump into a grounded 230V AC power outlet.



Figure 2: The BLACK+DECKER BXGP1100XBE pump installed, showing typical hose connections in a utility room setting.

OPERATION

Once installed and primed, operating the pump is straightforward.

1. **Power On:** Flip the on/off switch to the "On" position. The pump will begin to draw water.
2. **Monitor Pressure:** Observe the integrated pressure gauge to monitor the water pressure within the 24-liter tank. The pump is designed to maintain pressure for consistent water supply.
3. **Automatic Operation:** The pump is self-priming and will automatically maintain pressure within the tank. It will start when pressure drops and stop when the desired pressure is reached.
4. **Power Off:** To stop the pump, flip the on/off switch to the "Off" position.

MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your pump.

- **Pre-filter Cleaning:** If a pre-filter is installed, regularly check and clean it to prevent clogging and maintain

efficient water flow.

- **Frost Protection:** During cold weather, ensure the pump is in a frost-free environment. If the pump is exposed to freezing temperatures, drain all water from the pump and hoses to prevent damage.
- **General Cleaning:** Keep the exterior of the pump clean and free from dirt and debris.
- **Check Connections:** Periodically inspect all hose and electrical connections for leaks or damage.

TROUBLESHOOTING

If you encounter issues with your pump, refer to the following common troubleshooting steps:

- **Pump Not Priming:**
 - Ensure the pump casing is completely filled with water before starting.
 - Check all suction hose connections for air leaks. Even small leaks can prevent priming.
 - Verify the suction height does not exceed the maximum of 8 meters.
- **Reduced Flow or Pressure:**
 - Check if the pre-filter is clogged and requires cleaning.
 - Inspect hoses for kinks or blockages.
 - Ensure the water source is adequate.
- **Pump Not Starting:**
 - Verify the pump is properly plugged into a live electrical outlet.
 - Check the on/off switch position.
 - Ensure there are no tripped circuit breakers or blown fuses.
 - The motor has high temperature protection; allow it to cool down if it has overheated.

If problems persist after attempting these steps, please contact customer support.

WARRANTY AND SUPPORT

The BLACK+DECKER BXGP1100XBE pump comes with a **2-year warranty** from the date of purchase. This warranty covers manufacturing defects and ensures the product meets quality standards.

For warranty claims, technical assistance, or to locate authorized service centers, please refer to the list of service centers provided in the original packaging or visit the official BLACK+DECKER website. You may also contact the seller, Express Shipping ★★★★★, for support regarding your purchase.

For more information, visit the [Official BLACK+DECKER Store](#).