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› BLACK+DECKER BV3100 3-in-1 Electric Leaf Blower, Vacuum, and Mulcher Instruction Manual

BLACK+DECKER BV3100

BLACK+DECKER BV3100 3-in-1 Electric Leaf Blower, Vacuum, and Mulcher

Instruction Manual

INTRODUCTION

This manual provides essential instructions for the safe operation, assembly, maintenance, and troubleshooting of your BLACK+DECKER BV3100 3-in-1 Electric Leaf Blower, Vacuum, and Mulcher. Please read this manual thoroughly before using the product to ensure proper function and to prevent injury.



Image: The BLACK+DECKER BV3100 unit configured for vacuuming, showing the main body, vacuum tube, and attached collection bag.

IMPORTANT SAFETY INSTRUCTIONS

Always observe basic safety precautions when using electrical appliances to reduce the risk of fire, electric shock, and personal injury. Keep children and bystanders away. Wear appropriate personal protective equipment, including eye protection, hearing protection, and sturdy footwear. Do not operate in wet conditions. Disconnect from power before cleaning or performing maintenance.

PACKAGE CONTENTS

Verify that all items listed below are present in your package:

- (1) BLACK+DECKER BV3100 Blower Vac Unit
- (1) Blow Tube
- (1) Vacuum Tube
- (1) Collection Bag

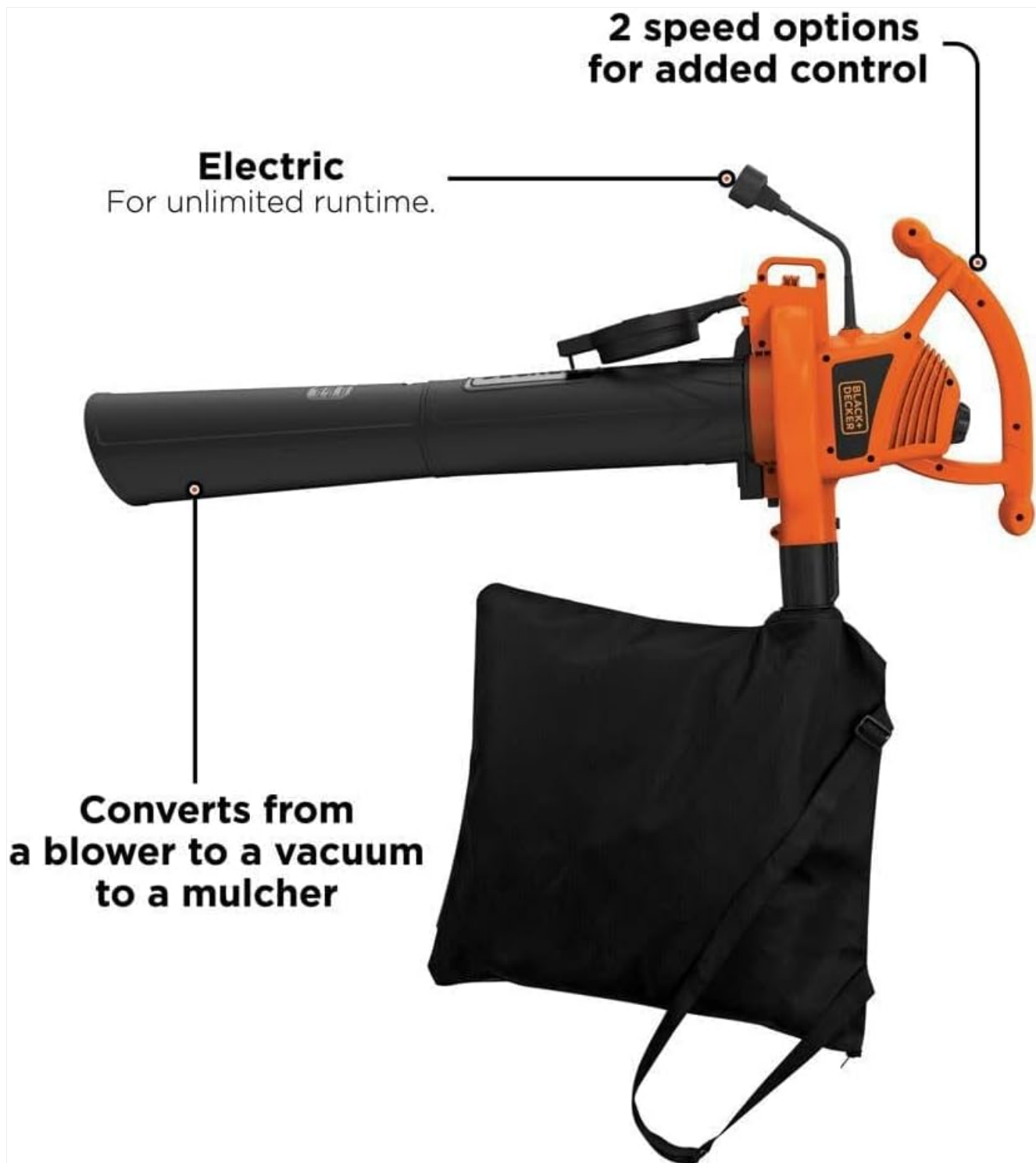


Image: The BLACK+DECKER BV3100 highlighting its electric power source, 2-speed options, and 3-in-1 conversion feature.

ASSEMBLY

Assembling for Blower Mode

1. Ensure the unit is unplugged from the power source.
2. Align the blow tube with the outlet on the front of the main unit.
3. Push the blow tube firmly until it clicks into place, ensuring it is securely fastened.



Image: The BLACK+DECKER BV3100 configured as a leaf blower, showing the long blow tube attached to the main unit.

Assembling for Vacuum/Mulcher Mode

1. Ensure the unit is unplugged from the power source.
2. Remove the blow tube if attached.
3. Locate the lever on the bottom of the unit. Depress this lever to open the cover.
4. While holding the cover open, align the vacuum tube with the intake opening and push it in, ensuring the lock tabs engage securely.
5. Attach the collection bag to the discharge port. Ensure the bag's opening is securely fastened to prevent debris leakage.

Note: The lever for opening the cover may be stiff, and the spring-loaded cover may require firm handling to keep it open while attaching the vacuum tube. Ensure all connections are secure before operation.

OPERATING INSTRUCTIONS

General Operation

- Connect the power cord to a suitable outdoor extension cord. The built-in cord retainer helps prevent accidental unplugging.
- The unit features a 2-speed switch. Select the desired speed (low or high) based on the task and material.
- Always maintain a firm grip on the handle during operation.

Blower Mode

Use the blower mode to clear leaves, grass clippings, and light debris from hard surfaces like driveways, patios, and sidewalks. Direct the airflow towards the debris, sweeping it into piles for easier collection or disposal. The BV3100 delivers air speeds up to 210 MPH and airflow up to 300 CFM for efficient clearing.



**Easy
clearing**
Air speeds
up to 210 mph
and airflow
up to 300 cfm.

Image: An individual operating the BLACK+DECKER BV3100 as a leaf blower, directing air to clear leaves from a grassy area.

Vacuum and Mulcher Mode

In vacuum mode, the unit collects leaves and debris, which are then mulched by an internal impeller before being deposited into the collection bag. This reduces the volume of debris, with a mulching ratio of up to 10 bags of leaves reduced to 1. Hold the vacuum tube close to the ground, hovering over the leaves to draw them in. Avoid vacuuming wet leaves, large sticks, or hard objects to prevent blockages and damage to the impeller.



Image: An individual using the BLACK+DECKER BV3100 in vacuum mode, demonstrating its ability to collect and mulch leaves, significantly reducing their volume.

MAINTENANCE

Cleaning the Collection Bag

The reusable collection bag has a 35-liter capacity and features a zipper for easy emptying. Empty the bag regularly to maintain optimal vacuum performance. Clean the bag with a damp cloth and allow it to dry completely before reattaching.

Clearing Blockages

If the unit's suction or blowing power decreases, a blockage may be present. **Always unplug the unit before attempting to clear any blockages.** Remove the tubes and carefully inspect the intake and discharge ports, as well as the impeller area, for any lodged debris. Use a non-metallic object to dislodge material. Reassemble and test.

General Cleaning

Wipe down the exterior of the unit with a damp cloth. Do not use harsh chemicals or abrasive cleaners. Ensure all air

vents are clear of debris to prevent overheating.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit does not start	No power supply; cord not securely plugged in.	Check power connection; ensure extension cord is functional.
Low suction/blowing power	Blocked vacuum/blow tube; full collection bag; clogged impeller.	Unplug unit, clear blockages, empty collection bag.
Excessive vibration or noise	Impeller damaged or unbalanced; foreign object in unit.	Unplug unit, inspect impeller for damage or foreign objects. Contact service if issue persists.
Leaves not mulching effectively	Wet leaves; large sticks or debris.	Avoid vacuuming wet material. Clear any large debris before vacuuming.

SPECIFICATIONS

- Model:** BV3100
- Power Source:** Corded Electric
- Voltage:** 120 Volts
- Amperage:** 12 Amps
- Air Speed:** Up to 210 MPH
- Air Flow Capacity:** Up to 300 CFM
- Mulching Ratio:** 10:1
- Collection Bag Capacity:** 35 Liters
- Item Weight:** 7 Pounds (approx.)
- Product Dimensions:** 18.69"L x 12"W x 13.4"H (approx.)
- Noise Level:** 69 Decibels (approx.)

WARRANTY AND SUPPORT

For warranty information, technical support, or to order replacement parts, please contact BLACK+DECKER customer service. Refer to the warranty card included with your product or visit the official BLACK+DECKER website for detailed information.

Website: www.blackanddecker.com

