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Stihl BGA 100

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MODEL: BGA 100

1. INTRODUCTION

Thank you for choosing the Stihl BGA 100 36V Lithium-Ion Battery Leaf Blower. This powerful, lightweight, and quiet cordless blower is designed for professional use, particularly in noise-sensitive urban areas. This manual provides essential information for the safe and efficient operation, maintenance, and care of your new equipment. Please read it thoroughly before first use and keep it for future reference.

2. SAFETY INSTRUCTIONS

WARNING: Read all safety warnings, instructions, illustrations, and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious injury.

- Always wear appropriate personal protective equipment (PPE), including eye protection, hearing protection, and sturdy footwear.
- Keep children, bystanders, and pets at a safe distance (at least 15 meters) from the operating area.
- Do not operate the blower in wet conditions or rain.
- Ensure the battery is fully charged before use.
- Never point the blower nozzle at people or animals.
- Inspect the blower for any damage before each use. Do not operate if damaged.
- Disconnect the battery before cleaning, maintenance, or storage.

3. PACKAGE CONTENTS

The Stihl BGA 100 package typically includes:

- 1 x Stihl BGA 100 Cordless Blower Unit
- 1 x Round Nozzle (standard)

NOTE: This product is supplied as the blower unit only. The battery (e.g., Stihl AP 300 S, AR 3000) and charger are sold separately.

4. SETUP

4.1 Attaching the Nozzle

1. Align the round nozzle with the blower tube outlet.
2. Push the nozzle firmly onto the tube until it clicks into place, ensuring a secure fit.

4.2 Connecting the Battery

The Stihl BGA 100 is designed for use with an external battery pack (e.g., Stihl AP 300 S or AR 3000) connected via a flexible cord.

1. Ensure the blower is switched off.
2. Connect the power cord from the external battery pack to the designated port on the blower handle. Ensure the connection is firm and secure.
3. If using a belt-mounted battery, ensure the battery is securely fastened to your belt or harness.



Image: The Stihl BGA 100 leaf blower connected to an external battery pack via a power cord. The battery pack is shown attached to a belt.

5. OPERATING INSTRUCTIONS

5.1 Starting and Stopping

1. Ensure the battery is connected and charged.

2. Press the main power button on the handle to activate the blower.
3. To stop, release the trigger or press the main power button again.

5.2 Power Modes

The BGA 100 features three power levels and an additional Boost function for maximum performance.

- **Level 1:** For light debris and extended runtime.
- **Level 2:** For general clearing tasks.
- **Level 3:** For heavier debris and more demanding tasks.
- **Boost Function:** Press and hold the Boost button for a temporary surge of maximum power. Release to return to the selected power level.

Adjust power levels using the control switch on the handle.

5.3 Adjusting Blowing Tube Length

The blowing tube length can be continuously adjusted to suit your height and task requirements. Loosen the locking mechanism, extend or retract the tube to the desired length, and then secure the locking mechanism firmly.

5.4 Operating Tips

- Use a sweeping motion to move debris efficiently.
- Start with lower power settings for lighter debris and increase as needed.
- For prolonged work intervals, using a recommended battery like the Stihl AR 3000 with padding and hook is advised for comfort.

6. MAINTENANCE

6.1 Cleaning the Blower

- After each use, disconnect the battery.
- Clean the exterior of the blower with a damp cloth. Do not use strong detergents or solvents.
- Ensure air intake and exhaust vents are free from debris to prevent overheating.

6.2 Battery Care

- Always use the recommended Stihl charger for your battery.
- Store batteries in a cool, dry place, away from direct sunlight and extreme temperatures.
- Do not store fully discharged batteries for extended periods. Charge them periodically.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Blower does not start	Battery not connected or discharged; safety switch not engaged	Ensure battery is securely connected and charged. Check safety switch.
Low blowing power	Low battery charge; incorrect power mode; blocked air intake/nozzle	Charge battery. Select higher power mode. Clear any obstructions.
Unusual noise or vibration	Loose components; internal damage	Stop operation immediately. Inspect for loose parts. Contact Stihl service if issue persists.

If you encounter problems not listed here or if solutions do not resolve the issue, please contact an authorized Stihl service dealer.

8. SPECIFICATIONS

Feature	Specification
Nominal Voltage	36 V
Weight (without battery)	2.5 kg
Battery Technology	Lithium-ion Pro
Recommended Battery	Stihl AR 3000 (for extended use)
Sound Pressure Level (LpA)	80 dB(A)
Sound Power Level (LwA)	90 dB(A)
Vibration Value (right handle)	2.5 m/s ²
Blowing Force	17 N
Max. Air Flow	840 m ³ /h
Max. Air Speed	75 m/s
Standard Nozzle	Round Nozzle

9. WARRANTY AND SUPPORT

Your Stihl BGA 100 is covered by a manufacturer's warranty. Please refer to the warranty card included with your purchase or visit the official Stihl website for detailed terms and conditions.

For technical support, spare parts, or service, please contact your authorized Stihl dealer or visit the Stihl customer support portal. Always use genuine Stihl replacement parts to ensure optimal performance and safety.