

BGA 57

**STIHL**



2 - 17

Instruction Manual



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## 1 Introduction

Dear Customer,

Thank you for choosing STIHL. We develop and manufacture our quality products to meet our customers' requirements. The products are designed for reliability even under extreme conditions.

STIHL also stands for premium service quality. Our dealers guarantee competent advice and instruction as well as comprehensive service support.

STIHL expressly commit themselves to a sustainable and responsible handling of natural resources. This user manual is intended to help you use your STIHL product safely and in an environmentally friendly manner over a long service life.

We thank you for your confidence in us and hope you will enjoy working with your STIHL product.



Dr. Nikolas Stihl

**IMPORTANT! READ BEFORE USING AND  
KEEP IN A SAFE PLACE FOR REFERENCE.**

## 2 Guide to Using this Manual

### 2.1 Applicable Documentation

Local safety regulations apply.

► Read, understand and save the following documents in addition to this instruction manual:

- Safety notes and precautions for STIHL AK battery.
- Safety information for STIHL batteries and products with built in batteries:  
[www.stihl.com/safety-data-sheets](http://www.stihl.com/safety-data-sheets)

### 2.2 Symbols used with warnings in the text



#### WARNING

- This symbol indicates dangers that can cause serious injuries or death.
- The measures indicated can avoid serious injuries or death.

#### NOTICE

- This symbol indicates dangers that can cause damage to property.
- The measures indicated can avoid damage to property.

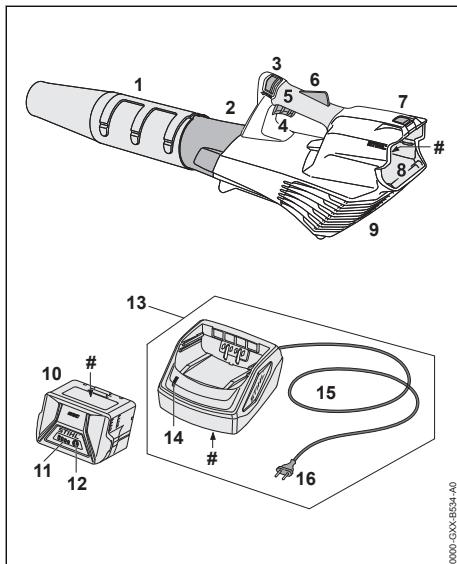
### 2.3 Symbols in Text



This symbol refers to a chapter in this instruction manual.

### 3 Overview

#### 3.1 Blower, Battery and Charger



##### 1 Nozzle

Directs and concentrates the airstream.

##### 2 Blower Tube

Directs the airstream.

##### 3 Release Slide

Operated together with the trigger lockout to unlock the trigger.

##### 4 Trigger

The trigger switches the blower on and off.

##### 5 Control Handle

For operating, controlling and carrying the blower.

##### 6 Trigger Lockout

Unlocks the trigger.

##### 7 Locking Lever

Holds the battery in the battery compartment.

##### 8 Battery Compartment

Accommodates the battery.

##### 9 Intake Screen

Protects the operator from moving parts inside the blower.

##### 10 Battery

Supplies power to the blower.

##### 11 LEDs

Indicate battery's state of charge and malfunctions.

##### 12 Button

Activates the LEDs on the battery.

##### 13 Charger

Charges the battery.

##### 14 LED

The LED indicates the operating status of the charger.

##### 15 Connecting Cable

Connects charger to appliance plug.

##### 16 Appliance Plug

Connects cable to wall outlet.

##### # Rating Label with Serial Number

#### 3.2 Symbols

Meanings of symbols that may be on the blower, battery and charger:



1 LED glows red. Battery too hot or too cold.



4 LEDs flash red. There is a malfunction in the battery.



LED glows green and LEDs on battery glow or flash green. Battery is being charged.



LED flashes red. No electrical contact between battery and charger or malfunction in battery or charger.



Guaranteed sound power level according to directive 2000/14/EC in dB(A) in order to make sound emissions of products comparable.



The data next to this symbol indicates the energy content of the battery according to the cell manufacturer's specification. The energy content available during operation is lower.



Operate the electric appliance in a dry place, indoors only.



Do not dispose of the product with your household waste.

### 4 Safety Precautions

#### 4.1 Warning symbols

Meanings of warning signs and labels on the blower, battery and charger:



Observe safety warnings and take the necessary precautions.



Read and understand the User Manual and keep it in a safe place.



Wear protective glasses.



Secure long hair so that it cannot be pulled into the blower.



Remove the battery during work interruptions, transport, storage, maintenance or repair.



Protect blower and charger from rain and moisture.



Maintain a safe distance.



Protect battery against heat and fire.



Protect the battery from rain and moisture and do not immerse it in liquids.

## 4.2 Intended Use

The STIHL BGA 57 blower is designed for blowing leaves, grass, paper and similar matter.

Do not use the blower in the rain.

The STIHL AK battery supplies power to the blower.

The STIHL AL 101 charger is used to charge the STIHL AK battery.

## ⚠ WARNING

- Batteries and chargers not explicitly approved for the blower by STIHL may cause a fire or explosion. Persons may be seriously or fatally injured, and property may be damaged.
  - ▶ Use the blower with a STIHL AK battery.
  - ▶ Recharge the STIHL AK battery with a STIHL AL 101, AL 301, AL 500 or AL 501 charger.
- Using the blower, battery or the charger for purposes for which they were not designed may result in serious or fatal injuries and damage to property.

- ▶ Use the blower, battery and charger as described in this User Manual.

## 4.3 Requirements for the user

### ⚠ WARNING

- Users without adequate training or instruction cannot recognize or assess the risks involved in using the blower, battery and charger. The user or other persons may sustain serious or fatal injuries.



- ▶ Read and understand the User Manual and keep it in a safe place for reference.

- ▶ If you pass on the blower, battery or the charger to another person: Always give them the User Manual.

- ▶ Make sure that the user meets the following conditions:

- The user is rested.
- The user is physically, sensorially and mentally able to operate and work with the blower, battery and charger. If the user is able to operate the equipment but has physical, sensory or mental limitations, the user may only work with the equipment under the supervision of or after receiving instruction from a responsible person.
- The user is able to recognize and assess the risks involved in using the blower, battery and charger.
- The user is an adult or is being trained in an occupation under supervision according to national regulations.
- The user has received instruction from a STIHL authorized dealer or other experienced user before working with the blower or using the charger for the first time.
- The user is not under the influence of alcohol, medication or drugs.

- ▶ If you are unsure: Contact a STIHL authorized dealer.

## 4.4 Clothing and Equipment

### ⚠ WARNING

- Long hair can be sucked into the blower during operation. This can result in serious injuries.



- ▶ Tie up long hair so that it is above shoulder level.

- Objects can be thrown through the air at high speed during operation. This can result in personal injury.
  - ▶ Wear close-fitting safety glasses. Suitable glasses that have been tested and labeled in accordance with EN 166 or national standards are available from retailers.
  - ▶ Wear long trousers.
- Dust can be whipped up during operation: Whipped up dust can damage the respiratory passages and cause allergic reactions.
  - ▶ If dust is generated: Wear a dust respirator mask.
- Unsuitable clothing can snag on wood, brush or the blower. Not wearing suitable clothing may result in serious injury.
  - ▶ Wear snug-fitting clothing.
  - ▶ Do not wear a scarf or jewelry.
- Wearing unsuitable footwear may cause you to slip or stumble. This can result in personal injury.
  - ▶ Wear sturdy enclosed footwear with non-slip soles.

## 4.5 Work Area and Surroundings

### 4.5.1 Blower

#### ⚠ WARNING

- Bystanders, children and animals are not aware of the dangers of the blower and objects being thrown into the air and cannot assess them. This may result in serious injury to bystanders, children and animals and damage to property.



- ▶ Do not allow bystanders, children or animals within 5 meters of the work area.

- ▶ Maintain a clearance of 5 meters from objects.
- ▶ Do not leave the blower unattended.
- ▶ Ensure that children cannot play with the blower.
- The blower is not waterproof. If you work in the rain or in a damp environment, an electric shock may occur. This can result in injuries to the user and may damage the blower.
  - ▶ Do not work in the rain or in a damp environment.



- Electrical components of the blower can produce sparks. Sparks may cause fires and explosions in highly flammable or explosive

environments. Persons may be seriously or fatally injured and property may be damaged.

- ▶ Do not work in a highly flammable or explosive environment.

### 4.5.2 Battery

#### ⚠ WARNING

- Bystanders, children and animals cannot recognize or assess the dangers of the battery. Bystanders, children and animals may be seriously injured.
  - ▶ Keep bystanders, children and animals away from the work area.
  - ▶ Do not leave the battery unattended.
  - ▶ Make sure that children cannot play with the battery.
- The battery is not protected against all ambient conditions. If the battery is exposed to certain ambient conditions, the battery may catch fire, explode or be irreparably damaged. This may result in serious injury to people and damage to property.
  - ▶ Protect battery from heat and fire.
  - ▶ Do not throw the battery into a fire.



- ▶ Do not charge, use and store the battery outside of the specified temperature limits, 18.5.



- ▶ Protect the battery from rain and moisture and do not immerse it in liquids.

- ▶ Keep battery away from small metal parts.
- ▶ Do not expose the battery to high pressure.
- ▶ Do not expose the battery to microwaves.
- ▶ Protect the battery from chemicals and salts.

### 4.5.3 Charger

#### ⚠ WARNING

- Bystanders and children are not aware of and cannot assess the dangers of a charger or electric current. Bystanders, children and animals may be seriously or fatally injured.
  - ▶ Keep bystanders, children and animals away from the work area.
  - ▶ Make sure that children cannot play with the charger.
- The charger is not waterproof. If you work in the rain or in a damp environment, an electric shock may occur. The user may be injured and the charger may be damaged.



- Do not operate it in the rain or in a damp environment.
- The charger is not protected against all ambient conditions. If the charger is exposed to certain ambient conditions, it may catch fire or explode. This may result in serious injury to people and damage to property.
  - Operate the charger in an enclosed, dry room.
  - Do not operate the charger in a flammable environment or in an explosive environment.
  - Do not operate the charger on a readily combustible surface.
  - Do not use and store the charger outside of the specified temperature limits, **► 18.5**.
- People may trip over the connecting cable. People may be injured and the charger may be damaged.
  - Lay the connecting cable flat on the floor.

## 4.6 Safe Condition

### 4.6.1 Blower

The blower is in a safe condition if the following conditions are fulfilled:

- The blower is undamaged.
- The blower must be clean and dry.
- The controls function properly and have not been modified.
- Original STIHL accessories are fitted.
- The accessories are correctly installed.

## ⚠ WARNING

- If not in safe condition, components may no longer operate correctly, and safety devices may be rendered ineffective. There is a risk of serious or fatal injury.

- Never use a damaged blower.
- If the blower is dirty or wet: Clean the blower and allow it to dry.
- If the battery compartment is moist or wet: Allow the battery compartment to dry.
- Do not modify the blower. Exception: Mounting a nozzle approved for this blower model.
- If the controls do not function properly: Do not work with the blower.
- Fit original STIHL accessories designed for this blower model.
- Install accessories as described in this User Manual or in the User Manual for the accessories.

- Do not insert objects into the openings in the blower.
- Replace worn or damaged labels.
- If you are unsure: Contact a STIHL authorized dealer.

### 4.6.2 Battery

The battery is in a safe condition if the following points are observed:

- Battery is undamaged.
- The battery is clean and dry.
- Battery functions properly and has not been modified.

## ⚠ WARNING

- A battery that is not in a safe condition cannot operate safely. Persons may be seriously injured.

- Never work with a damaged battery.
- Never attempt to charge a damaged or defective battery.
- If the battery is dirty: Clean the battery.
- If the battery is wet or damp: Allow the battery to dry, **► 18.6**.
- Never attempt to modify the battery.
- Never insert objects in the battery's openings.
- Never bridge the battery's contacts with metallic objects (short circuit).
- Do not open the battery.
- Replace worn or damaged labels.

- Fluid may leak from a damaged battery. If that liquid comes into contact with the skin or eyes, the skin or eyes may be irritated.

- Avoid contact with the liquid.
- If skin contact occurs: Wash affected areas of skin with plenty of water and soap.
- In the event of contact with eyes: Rinse eyes with plenty of water for at least 15 minutes and consult a doctor.

- A damaged or defective battery may smell unusual, emit smoke or burn. Persons may be seriously or fatally injured, and property may be damaged.

- If the battery smells unusual or emits smoke: do not use the battery and keep it away from combustible substances.
- If the battery catches fire: Attempt to extinguish the battery with a fire extinguisher or water.

### 4.6.3 Charger

The charger is in a safe condition if the following points are observed:

- Charger is undamaged.
- Charger is clean and dry.

## ⚠ WARNING

- If components do not comply with safety requirements, they will no longer function properly and safety devices may be rendered inoperative. This can result in serious or fatal injuries.
  - ▶ Do not use a damaged charger.
  - ▶ If the charger is dirty or wet: Clean the charger and allow it to dry.
  - ▶ Never attempt to modify the charger.
  - ▶ Never insert objects in the charger's openings.
  - ▶ Never bridge the charger's contacts with metallic objects (short circuit).
  - ▶ Do not open the charger.

## 4.7 Operation

### ⚠ WARNING

- The user cannot concentrate on the work in certain situations. The user may stumble, fall and be seriously injured.
  - ▶ Work calmly and carefully.
  - ▶ If light and visibility are poor: Do not work with the blower.
  - ▶ Operate the blower alone.
  - ▶ Do not work above shoulder height.
  - ▶ Watch out for obstacles.
  - ▶ Stand on the ground while working and keep a good balance. If it is necessary to work at heights: Use a lift bucket or a safe platform.
  - ▶ If you begin to feel tired: Take a break.
  - ▶ Blow sweep with the wind.
- Objects can be thrown through the air at high speed during operation. Bystanders and animals may be injured and damage to property may occur.
  - ▶ Do not direct the air blast towards bystanders, animals or objects.
- If the behavior of the blower changes during operation or feels unusual, it may no longer be in a safe condition. This can result in serious injuries and damage to property.
  - ▶ Stop work, remove the battery and contact your STIHL servicing dealer for assistance.
- Blower vibrations may occur during operation.
  - ▶ Take regular breaks.
  - ▶ If signs of circulation problems occur: Seek medical advice.
- The dust whipped up may cause the blower to be electrostatically charged. In certain conditions (e.g. dry environment) the blower may discharge suddenly and emit sparks. Sparks may cause a fire or an explosion in an easily

combustible or explosive environment. This can result in serious or fatal injuries and damage to property.

- ▶ Do not work in an easily combustible or explosive environment.

## 4.8 Charging

### ⚠ WARNING

- A damaged or defective charger may produce an unusual smell or emit smoke during the charging process. This may result in personal injuries and damage to property.
  - ▶ Disconnect the plug from the wall outlet.
- The charger can overheat and cause a fire if heat dissipation is inadequate. This can result in serious or fatal injuries and damage to property.
  - ▶ Do not cover the charger.

## 4.9 Connecting to the power supply

Contact with live components may occur for the following reasons:

- The connecting cable or the extension cord is damaged.
- The mains plug of the connecting cable or extension cord is damaged.
- The socket is not properly installed.

### ⚠ DANGER

- Contact with live parts may result in electric shock. This may result in serious or fatal injury to the user.
  - ▶ Make sure that the connecting cable, extension cord and their mains plugs are undamaged.



If the connecting cable or the extension cord is damaged:

- ▶ Do not touch the damaged area.
- ▶ Disconnect the mains plug from the power supply.

- ▶ Make sure your hands are dry before touching the connecting cable, extension cord or mains plugs.
- ▶ Plug the mains plug of the connecting cable or extension cord into a properly installed, shockproof socket with the correct fuse rating.
- ▶ Install the charger with a ground fault circuit interrupter (30 mA, 30 ms).
- A damaged or unsuitable extension cable can result in electric shock. There is a risk of serious or fatal injury.
  - ▶ Use an extension cable with the correct cable cross-section,  18.4.

## ⚠ WARNING

- Overvoltage can occur in the charger if the line voltage or frequency are incorrect during charging. The charger may be damaged.
  - ▶ Make sure that the mains voltage and the mains frequency of the power supply match the data on the rating plate of the charger.
- If the charger is connected to a power strip, electrical components may be overloaded during the charging process. The components may overheat and cause a fire. Persons may be seriously or fatally injured, and property may be damaged.
  - ▶ Ensure that the technical specifications for the power strip are not exceeded by the information on the rating plate of the charger and of all electrical devices connected to the power strip.
- An incorrectly routed connecting cable or extension cord may be damaged, and people may trip over it. People may be injured, and the connecting cable or extension cord may be damaged.
  - ▶ Route and mark the connecting cable and extension cord so that people will not trip over them.
  - ▶ Route the connecting cable and extension cord so that they are not under tension or tangled.
  - ▶ Route the connecting cable and extension cord so that they will not be damaged, kinked or crushed and will not be chafed.
  - ▶ Protect the connecting cable and extension cord from heat, oil and chemicals.
  - ▶ Lay the connecting cable and extension cord on a dry surface.
- The extension cable warms up in operation. If that heat cannot escape, it may cause a fire.
  - ▶ If using a cable reel: completely unroll the cable reel.
- If wiring and pipes are laid in the wall, they may be damaged if the charger is mounted on the wall. Contact with wiring can result in electric shock. This may result in serious injury to people and damage to property.
  - ▶ Make sure there is no wiring or pipes in the wall at the proposed mounting site.
- If the charger is not mounted on the wall as described in this User Manual, the charger or the battery may fall or the charger may overheat. This may result in injury to people and damage to property.
  - ▶ Mount the charger on a wall as described in this User Manual.

- If the charger is mounted on a wall with the battery inserted, the battery may fall out of the charger. This may result in injury to people and damage to property.
  - ▶ Mount the charger on the wall first before inserting the battery.

### 4.10 Transporting

#### 4.10.1 Blower

## ⚠ WARNING

- The blower can turn over or move while being transported. This may result in personal injuries and damage to property.

- ▶ Remove the battery.



- ▶ Secure the blower with lashing straps or a net to prevent it turning over and moving.

#### 4.10.2 Battery

## ⚠ WARNING

- The battery is not protected against all ambient conditions. The battery may be damaged if it is exposed to certain ambient conditions, and damage to property may occur.
  - ▶ Never transport a damaged battery.
- The battery may turn over or shift during transport. This may result in injury to people and damage to property.
  - ▶ Pack the battery in packaging in such a way that it cannot move.
  - ▶ Secure the packaging so that it cannot move.

#### 4.10.3 Charger

## ⚠ WARNING

- The charger may turn over or move while being transported. This may result in personal injuries and damage to property.
  - ▶ Disconnect the plug from the wall outlet.
  - ▶ Remove the battery.
  - ▶ Secure the charger with lashing straps, belts or a net to prevent it turning over and moving.
- The connecting cable must not be used for carrying the charger. The connecting cable and the charger may be damaged.
  - ▶ Wind up the connecting cable and attach it to the charger.

## 4.11 Storing

### 4.11.1 Blower

#### ⚠ WARNING

- Children are not aware of and cannot assess the dangers of a blower and can be seriously injured.



- ▶ Remove the battery.



- ▶ Store the blower out of the reach of children.

- Dampness can corrode the electrical contacts on the blower and metal components. The blower may be damaged.



- ▶ Remove the battery.



- ▶ Store the blower in a clean and dry condition.

### 4.11.2 Battery

#### ⚠ WARNING

- Children are not aware of and cannot assess the dangers of the battery. Children may be seriously injured.

- ▶ Store the battery out of the reach of children.

- The battery is not protected against all ambient conditions. If the battery is exposed to certain ambient conditions, the battery may be irreparably damaged.

- ▶ Store the battery in a clean and dry condition.
- ▶ Store the battery in an enclosed space.
- ▶ Store the battery separately from the blower.
- ▶ If the battery is stored in the charger, disconnect the mains plug and store the battery at a state of charge between 40% and 60% (2 lit green LEDs).
- ▶ Do not store the battery outside of the specified temperature limits,  $\blacksquare$  18.6.

### 4.11.3 Charger

#### ⚠ WARNING

- Children are not aware of and cannot assess the dangers of a charger. Children can be seriously injured or killed.

- ▶ Disconnect the plug from the wall outlet.
- ▶ Store the charger out of reach of children.

- The charger is not protected against all ambient conditions. If the charger is exposed to certain ambient conditions, the charger may be damaged.

- ▶ Disconnect the plug from the wall outlet.
- ▶ If the charger is hot: Allow the charger to cool down.
- ▶ Store the charger in a clean, dry place.
- ▶ Store the charger in an enclosed room.
- ▶ Do not store the charger outside of the specified temperature limits,  $\blacksquare$  18.5.

- The connecting cable should not be used for carrying the charger or hanging up the charger. The connecting cable and the charger may be damaged.

- ▶ Hold the charger by the housing in a secure grip. The charger is provided with a handle recess to make it easy to pick up the charger.
- ▶ Hang the charger on the wall mounting.

## 4.12 Cleaning, Maintenance and Repair

#### ⚠ WARNING

- If the battery is inserted when carrying out cleaning, servicing or repairs, it is possible for the blower to be switched on unintentionally. This may result in serious injury to people and damage to property.



- ▶ Remove the battery.

- Sharp cleaning agents, cleaning with a water jet or pointed objects can damage the blower, the battery and the charger. If the blower, battery or charger are not cleaned as described in this instruction manual, components may no longer function properly or safety devices may be rendered inoperative. They may cause serious injury to persons.

- ▶ Clean the blower, battery and charger as described in this instruction manual.

- If the blower, battery or charge are not serviced or repaired correctly, components may no longer function properly or safety devices may be rendered inoperative. This may result in serious or fatal injury to people.

- ▶ Do not attempt to service or repair the blower, battery or charger.

- ▶ If the blower, battery or the charger require servicing or repairs: Contact your STIHL servicing dealer for assistance.

## 5 Preparing the Blower for Operation

### 5.1 Preparing the Blower for Operation

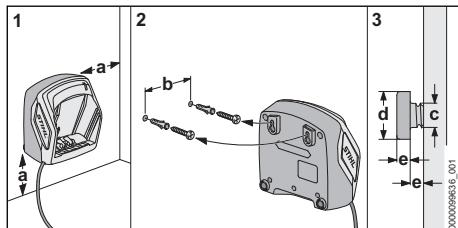
The following steps must be performed before commencing work:

- ▶ Ensure that the following components are in safe condition:
  - Blower, **4.6.1.**
  - Battery, **4.6.2.**
  - Charger, **4.6.3.**
- ▶ Check the battery, **10.2.**
- ▶ Fully charge the battery, **6.2.**
- ▶ Clean blower, **15.1.**
- ▶ Attach nozzle, **7.1.**
- ▶ Check the controls, **10.1.**
- ▶ If it is not possible to carry out these steps do not use the blower. Consult a STIHL servicing dealer.

## 6 Charging the Battery, LEDs

### 6.1 Mount the charger on a wall

The charger can be mounted on a wall.



- ▶ Mount the charger on a wall in accordance with the following conditions:

- Suitable fastening material is used.
- The charger is horizontal.

The following dimensions have been met:

- A = at least 100 mm
- B (for AL 101) = 75 mm
- B (for AL 301, AL 501) = 100 mm
- B (for AL 500) = 120 mm
- c = 4.5 mm
- D = 9 mm
- e = 2.5 mm

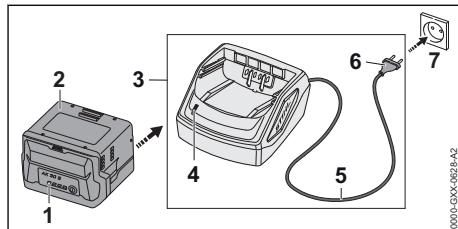
### 6.2 Charging the battery

The charging time depends on various factors, e.g. the battery temperature or the ambient temperature. For optimum performance, observe the recommended temperature ranges, **18.6**. The actual charging time may vary from the charging

time indicated. The charging time is indicated at [www.stihl.com/charging-times](http://www.stihl.com/charging-times).

The charging process starts automatically when the mains plug is plugged into a socket and the battery is inserted into the charger. The charger switches off automatically when the battery is fully charged.

The battery and the charger warm up during charging.

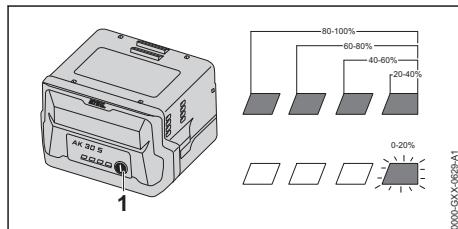


- ▶ Plug the mains plug (6) into an easily accessible socket (7).

The charger (3) will run a self-test. The LED (4) will glow green for about 1 second and red for about 1 second.

- ▶ Routing the connecting cord (5).
- ▶ Insert the battery (2) in the guides in the charger (3) and press it home as far as stop. The LED (4) glows green. The LEDs (1) glow green and the battery (2) is being charged.
- ▶ When the LED (4) and the LEDs (1) on the battery no longer light up: The battery (2) is fully charged and can be removed from the charger (3).
- ▶ If the charger (3) is no longer required: Disconnect the mains plug (6) from the wall outlet (7).

### 6.3 Displaying the state of charge



- ▶ Depress the pushbutton (1).

The LEDs light up green for about 5 seconds and indicate the state of charge.

- ▶ If the LED on the right flashes green: Charge the battery.

## 6.4 LEDs on Battery

The LEDs can show the state of charge or malfunctions. The LEDs can glow or flash green or red.

The state of charge is indicated when the LEDs glow or flash green.

- If the LEDs glow or flash red: Troubleshooting, [□ 17.1](#).  
Malfunction in blower or battery.

## 6.5 LED on Charger

The LED indicates the operating status of the charger.

If the LED glows green, the battery is being charged.

- If the LED flashes red: Rectify the malfunction.  
Malfunction in charger.

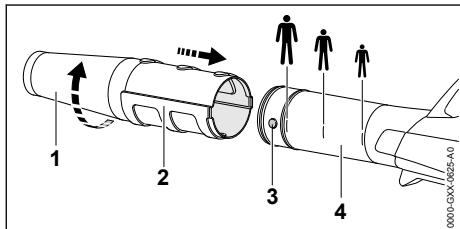
## 7 Assembling the Blower

### 7.1 Attaching, adjusting and removing the nozzle

The nozzle can be attached to the blower tube in 3 positions, depending on the height of the user.

The positions are marked on the blower tube.

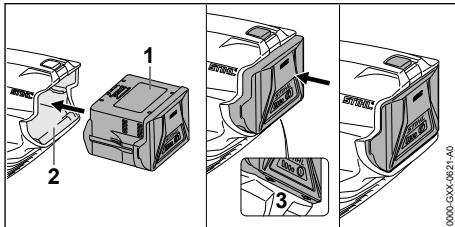
- Turn off the blower and remove the battery.



- Align the pin (3) with the slot (2).
- Push nozzle (1) into the desired position on the blower tube (4).
- Rotate nozzle (1) until it engages.

## 8 Removing and Fitting the Battery

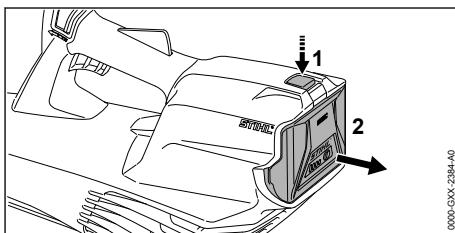
### 8.1 Fitting the Battery



- Insert the battery (1) in the battery compartment (2) and press it home until you hear a click.  
Arrows (3) on battery (1) are still visible and battery (1) is held securely in battery compartment (2). There is no electrical contact between blower and battery (1).
- Push the battery (1) into the battery compartment (2) as far as stop.  
The battery (1) engages with a second click and is flush with the blower's housing.

### 8.2 Removing the battery

- Keep one hand in front of the battery compartment so that the battery (2) cannot fall out.

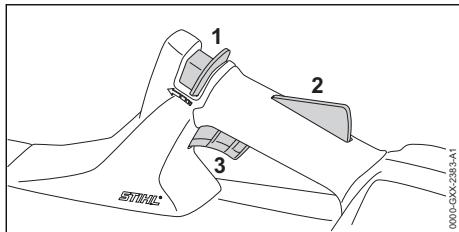


- Press the locking lever (1) with your other hand.  
The battery (2) is now unlocked and can be removed.

## 9 Switching the Blower On/Off

### 9.1 Switching On

- Hold the blower with one hand on the control handle - wrap your thumb around the handle.



- Push the release slide (1) in the direction of the blower tube with your thumb and hold it there.
- Depress the trigger lockout (2) with your hand and hold it there. You can let go of the release slide (1).
- Pull the trigger (3) with your index finger and hold it there. The blower accelerates and air flows from the nozzle.

## 9.2 Switching Off

- Release the trigger and trigger lockout lever. No air flows from the nozzle.
- If air continues to flow from the nozzle: Remove the battery and contact your STIHL dealer for assistance. Blower has a malfunction.

# 10 Testing the Blower and Battery

## 10.1 Checking the Controls

### Release slide, trigger lockout and trigger

- Remove the battery.
- Attempt to pull the trigger lever without depressing the release slide and the trigger lockout.
- If the trigger can be pulled: Do not use the blower and contact your STIHL servicing dealer for assistance. Release slide or trigger lockout is faulty.
- Push the release slide in the direction of the blower tube with your thumb and hold it there.
- Depress the trigger lockout lever and hold it in that position.
- Pull the trigger.
- Let go of the trigger, trigger lockout and release slide.
- If the trigger, trigger lockout or release slide is stiff or does not spring back to the idle position: Do not use the blower and contact your STIHL servicing dealer for assistance. The trigger, trigger lockout or release slide has a malfunction.

### Switching on the blower

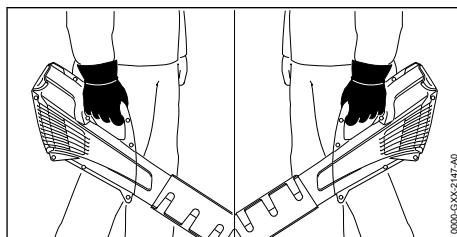
- Fit the battery.
- Push the release slide in the direction of the blower tube with your thumb and hold it there.
- Depress the trigger lockout lever and hold it in that position.
- Pull the trigger and hold it there. Air flows from the nozzle.
- If 3 LEDs flash red: Remove the battery and contact your STIHL dealer for assistance. There is a malfunction in the blower.
- Release the trigger. No air flows from the nozzle.
- If air continues to flow from the nozzle: Remove the battery and contact your STIHL dealer for assistance. Blower has a malfunction.

## 10.2 Testing the Battery

- Press button on battery. The LEDs glow or flash.
- If the LEDs do not glow or flash: Do not use the battery and contact your STIHL servicing dealer. There is a malfunction in the battery.

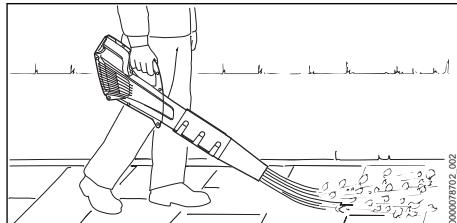
# 11 Operating the Blower

## 11.1 Holding and Controlling the Blower



- Hold and control the blower with one hand on the control handle - wrap your thumb around the handle.

## 11.2 Blowing



- Point the nozzle at the ground.

- Walk forward slowly in a controlled manner.

For optimum performance, observe the recommended temperature ranges, **18.6**.

## 12 After Finishing Work

### 12.1 After Finishing Work

- Turn off the blower and remove the battery.
- If the blower is wet: Allow the blower to dry.
- If the battery is moist or wet: Allow the battery to dry, **18.6**.
- Clean the blower.
- Clean the battery.

## 13 Transporting

### 13.1 Transporting the Blower

- Switch off the blower and remove the battery.

#### Carrying the Blower

- Carry the blower by the control handle.

#### Transporting the Blower in Vehicles

- Secure the blower to prevent turnover and movement.

### 13.2 Transporting the battery

- Turn off the blower and remove the battery.
- Check that the battery is in a safe condition.
- Pack the battery in packaging in such a way that it cannot move inside the packaging.
- Secure the packaging so that it cannot move.

The battery is subject to the Carriage of Dangerous Goods regulations. The battery is classified as UN 3480 (lithium ion batteries) and has been tested pursuant to UN Manual Tests and Criteria Part III, Subsection 38.3.

The transport regulations can be found at [www.stihl.com/safety-data-sheets](http://www.stihl.com/safety-data-sheets).

### 13.3 Transporting the Charger

- Disconnect the plug from the wall outlet.
- Remove the battery.
- Wind up the connecting cable and attach it to the charger.
- Transporting the charger in a vehicle: Secure the charger with lashing straps, belts or a net to prevent it turning over and moving.

## 14 Storing

### 14.1 Storing the Blower

- Turn off the blower and remove the battery.
- The blower should be stored in such a way that the following conditions are fulfilled:

- The blower cannot topple over and cannot move.
- The blower must be out of the reach of children.
- The blower must be clean and dry.

### 14.2 Storing the Battery

STIHL recommends keeping the battery in a charging state between 40% and 60 % (2 green LEDs lit).

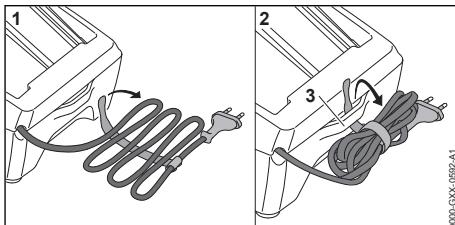
- The battery should be stored in such a way that the following conditions are fulfilled:
  - The battery is out of the reach of children.
  - The battery is clean and dry.
  - The battery is in an enclosed space.
  - Battery is stored separately from the blower.
  - If the battery is stored in the charger, disconnect the mains plug and store the battery at a state of charge between 40% and 60% (2 lit green LEDs).
  - Do not store the battery outside of the specified temperature limits, **18.5**.

#### NOTICE

- If the battery is not stored as described in this User Manual, the battery may become deeply discharged and irreparably damaged.
- Charge a discharged battery before storing it. STIHL recommends keeping the battery state of charge between 40% and 60% (2 lit green LEDs).
- Store the battery separately from the blower.

### 14.3 Storing the Charger

- Disconnect the mains plug from the power supply.



- Wind up the connecting cable and attach it to the charger.

- ▶ Observe the following points when storing the charger:
  - Charger is out of the reach of children.
  - The charger is clean and dry.
  - Charger is in an enclosed space.
  - The charger is not suspended from the connecting cable or the holder (3) for the connecting cable.
  - Do not store the charger outside of the specified temperature limits,  18.5.

## 15 Cleaning

### 15.1 Cleaning the blower

- ▶ Switch off the blower and remove the battery.
- ▶ Clean blower with a damp cloth.
- ▶ Clean vents with a paintbrush.
- ▶ Clean the shield with a paintbrush or soft brush.
- ▶ Remove foreign objects from the battery compartment and clean the battery compartment with a damp cloth.
- ▶ Clean the electrical contacts in the battery compartment with a paintbrush or soft brush.

### 15.2 Cleaning the Battery

- ▶ Clean the battery with a damp cloth.

### 15.3 Cleaning the Charger

- ▶ Disconnect the mains plug from the power supply.
- ▶ Clean the charger with a damp cloth.
- ▶ Clean vents with a paintbrush.

## 17 Troubleshooting

### 17.1 Troubleshooting the Blower or Battery

Fault	LEDs on the battery	Cause	Remedy
The blower does not start when switched on.	1 LED flashing green.	State of charge of the battery is too low.	▶ Charge the battery.
	1 LED emits red light.	The battery is too warm or too cold.	▶ Remove the battery. ▶ Allow the battery to cool down or warm up.
	3 LEDs flash red.	There is a fault in the blower.	▶ Remove the battery. ▶ Clean electrical contacts in the battery compartment. ▶ Insert battery. ▶ Switch on blower. ▶ If 3 LEDs continue to flash red: Do not use the blower and contact your STIHL dealer for assistance.
	3 LEDs light up red.	The blower is too warm.	▶ Remove the battery. ▶ Allow the blower to cool down.
	4 LEDs flash red.	There is a fault in the battery.	▶ Remove battery and reinsert it. ▶ Switch on blower.

- ▶ Clean the charger's electrical contacts with a paintbrush or a soft brush.

## 16 Maintenance and Repairs

### 16.1 Servicing and Repairing the Blower

The blower cannot be serviced or repaired by the user.

- ▶ If your blower has a malfunction or is damaged or requires servicing: Contact your STIHL servicing dealer.

### 16.2 Servicing and Repairing the Battery

The battery requires no servicing and cannot be repaired.

- ▶ If the battery has a malfunction or is damaged: Replace the battery.

### 16.3 Servicing and repairing the charger

The charger does not need servicing and it cannot be repaired.

- ▶ If the charger has a malfunction or is damaged: Replace the charger.
- ▶ If the connecting cable has a malfunction or is damaged: Do not use the charger and have the connecting cable replaced by a STIHL servicing dealer.

Fault	LEDs on the battery	Cause	Remedy
		There is a break in the electrical connection between the blower and the battery.	► If 4 LEDs continue to flash red: Do not use the battery; contact a STIHL authorized dealer.
			► Remove the battery. ► Clean electrical contacts in the battery compartment. ► Insert battery.
		The blower or the battery is damp.	► Allow blower or battery to dry.  18.6.
The blower switches off while in operation.	3 LEDs light up red.	The blower is too warm.	► Remove the battery. ► Allow the blower to cool down.
		There is an electrical fault.	► Remove battery and reinsert it. ► Switch on blower.
The blower operating time is too short.		The battery is not fully charged.	► Fully charge the battery.
		The battery service life has been exceeded.	► Replace battery.
Charging does not start when the battery is inserted into the charger.	1 LED emits red light.	The battery is too warm or too cold.	► Leave battery inserted in charger. Charging starts automatically as soon as the permitted temperature range is reached.

## 17.2 Troubleshooting the Charger

Fault	LED on Charger	Cause	Remedy
Battery not being charged.		No electrical contact between charger and battery.	► Remove the battery. ► Clean contacts on charger. ► Insert battery.
		There is a malfunction in the charger.	► Do not use the charger and contact your STIHL dealer for assistance.

## 18 Specifications

### 18.1 STIHL BGA 57 Blower

- Approved battery: STIHL AK
- Air speed with nozzle mounted: 46 m/s
- Weight without battery: 2.3 kg

For battery life see [www.stihl.com/battery-life](http://www.stihl.com/battery-life).

### 18.2 STIHL AK Battery

- Battery technology: lithium-ion
- Voltage: 36 V
- Capacity in Ah: see rating label
- Energy content in Wh: see rating label
- Weight in kg: See rating label

### 18.3 STIHL AL 101 Charger

- Rated voltage: See rating plate
- Frequency: see rating plate

– Rated power: see rating plate

– Charging current: See rating plate

For charging times, see [www.stihl.com/charging-times](http://www.stihl.com/charging-times).

### 18.4 Extension Cords

If an extension cord is used, the cross sectional area of its conductors must meet the following minimum requirements – depending on the line voltage and length of the extension cord:

**If rated voltage on the rating label is 220V to 240V:**

- Cord length up to 20 m: AWG 15 / 1.5 mm<sup>2</sup>
- Cord length 20 m up to 50 m: AWG 13 / 2.5 mm<sup>2</sup>

### If rated voltage on the rating label is 100V to 127V:

- Cord length up to 10 m: AWG 14 / 2.0 mm<sup>2</sup>
- Cord length 10 m up to 30 m: AWG 12 / 3.5 mm<sup>2</sup>

## 18.5 Temperature limits



### WARNING

- The battery is not protected against all ambient conditions. If the battery is exposed to certain environmental conditions, it may catch fire or explode. This may result in serious injury to people and damage to property.
- ▶ Do not charge the battery below -20°C or above 50°C.
- ▶ Do not use the blower, battery or charger below -20°C or above +50°C.
- ▶ Do not store the blower, battery or charger below -20°C or above +70°C.

## 18.6 Recommended temperature ranges

For optimum performance of the blower, battery and charger, observe the following temperature ranges:

- Charging: 5°C to 40°C
- Use: - 10 °C to + 40 °C
- Storage: - 20 °C to + 50 °C

If the battery is charged, used or stored outside the recommended temperature ranges, performance may be reduced.

If the battery is wet or moist, allow the battery to dry for at least 48 h between 15°C and 50°C and with less than 70% humidity. Higher humidity may extend the drying time.

## 18.7 Noise and Vibration Data

K-value (uncertainty) for sound pressure levels is 2 dB(A). K-value (uncertainty) for sound power levels is 2 dB(A). K-value (uncertainty) for vibration levels is 2 m/s<sup>2</sup>.

STIHL recommends that you wear hearing protection.

- Sound pressure level L<sub>pA</sub> measured according to EN 50636-2-100: 79 dB(A)
- Sound power level L<sub>wA</sub> measured according to EN 50636-2-100: 90 dB(A)
- Vibration level a<sub>hv</sub> measured according to EN 50636-2-100, control handle: < 2.5 m/s<sup>2</sup>.

The vibration values quoted above have been measured according to a standardized test pro-

cedure and may be used to compare electric power tools. Depending on the type of usage, the vibrations that actually occur may differ from the values quoted. The vibration values quoted may be used for an initial assessment of the user's exposure to vibrations. The actual exposure to vibrations has to be estimated. This process may also take into account times during which the electric power tool is switched off and times during which it is switched on but running off load.

For information on compliance with Vibration Directive 2002/44/EC visit [www.stihl.com/vib](http://www.stihl.com/vib).

## 18.8 REACH

REACH is an EC regulation and stands for the Registration, Evaluation, Authorisation and Restriction of Chemical substances.

For information on compliance with the REACH regulation see [www.stihl.com/reach](http://www.stihl.com/reach).

## 19 Spare Parts and Accessories

### 19.1 Spare parts and accessories

**STIHL** These symbols indicate original STIHL spare parts and original STIHL accessories.

STIHL recommends the use of original STIHL spare parts and accessories.

Despite ongoing market observation, STIHL is unable to judge the reliability, safety and suitability of other manufacturers' spare parts and accessories; accordingly, STIHL cannot warrant for the use of those parts.

Original STIHL spare parts and original STIHL accessories are available from STIHL dealers.

## 20 Disposal

### 20.1 Disposal of Blower, Battery and Charger

Contact the local authorities or your STIHL dealer for information on disposal.

Improper disposal can be harmful to health and pollute the environment.

- ▶ Take STIHL products including packaging to a suitable collection point for recycling in accordance with local regulations.
- ▶ Do not dispose with domestic waste.

## 21 EC Declaration of Conformity

### 21.1 STIHL BGA 57 Blower

ANDREAS STIHL AG & Co. KG  
Badstraße 115  
D-71336 Waiblingen

Germany

erklärt in alleiniger Verantwortung, dass

- Type: Cordless blower
- Manufacturer's brand: STIHL
- Model: BGA 57
- Serial number: 4523

conforms to the specifications of Directives 2011/65/EU, 2006/42/EC, 2014/30/EU and 2000/14/EC and has been developed and built in compliance with the versions of the following standards valid at the production date:  
EN 55014-1, EN 55014-2, EN 60335-1 and EN 50636-2-100.

The measured and guaranteed equivalent sound power level has been determined in accordance with Directive 2000/14/EC, Annex V.

- Measured sound power level: 90 dB(A)
- Guaranteed sound power level: 92 dB(A)

The technical documents are stored at ANDREAS STIHL AG & Co. KG Produktzulassung.

The year of construction, the country of manufacture and the machine number are shown on the blower.

Waiblingen, 2022-08-01

ANDREAS STIHL AG & Co. KG

  
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Robert Olma, Vice President, Regulatory Affairs & Global Governmental Relations

## 22 UKCA Declaration of Conformity

### 22.1 STIHL BGA 57 Blower

**UK  
CA**

ANDREAS STIHL AG & Co. KG  
Badstraße 115  
D-71336 Waiblingen

Germany

erklärt in alleiniger Verantwortung, dass

- Type: Cordless blower
- Manufacturer's brand: STIHL
- Model: BGA 57
- Serial number: 4523

conforms to the relevant provisions of UK regulations The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012, Supply of Machinery (Safety) Regulations 2008, Electromagnetic Compatibility Regulations 2016 and Noise Emission in the Environment by Equipment for use Outdoors Regulations 2001 and has been manufactured in compliance with the following standards in the versions valid on the date of production: EN 55014-1, EN 55014-2, EN 60335-1 and EN 50636-2-100.

Zur Ermittlung des gemessenen und des garantierten Schallleistungspegels wurde nach UK-Verordnung Noise Emission in the Environment by Equipment for use Outdoors Regulations 2001, Schedule 8 verfahren.

- Measured sound power level: 90 dB(A)
- Guaranteed sound power level: 92 dB(A)

Die Technischen Unterlagen sind bei der ANDREAS STIHL AG & Co. KG aufbewahrt.

The year of construction, the country of manufacture and the machine number are shown on the blower.

Waiblingen, 2022-08-01

ANDREAS STIHL AG & Co. KG

  
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Robert Olma, Vice President, Regulatory Affairs & Global Governmental Relations

## 23 Addresses

[www.stihl.com](http://www.stihl.com)

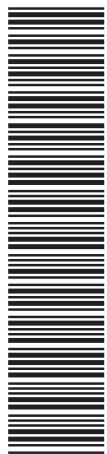




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