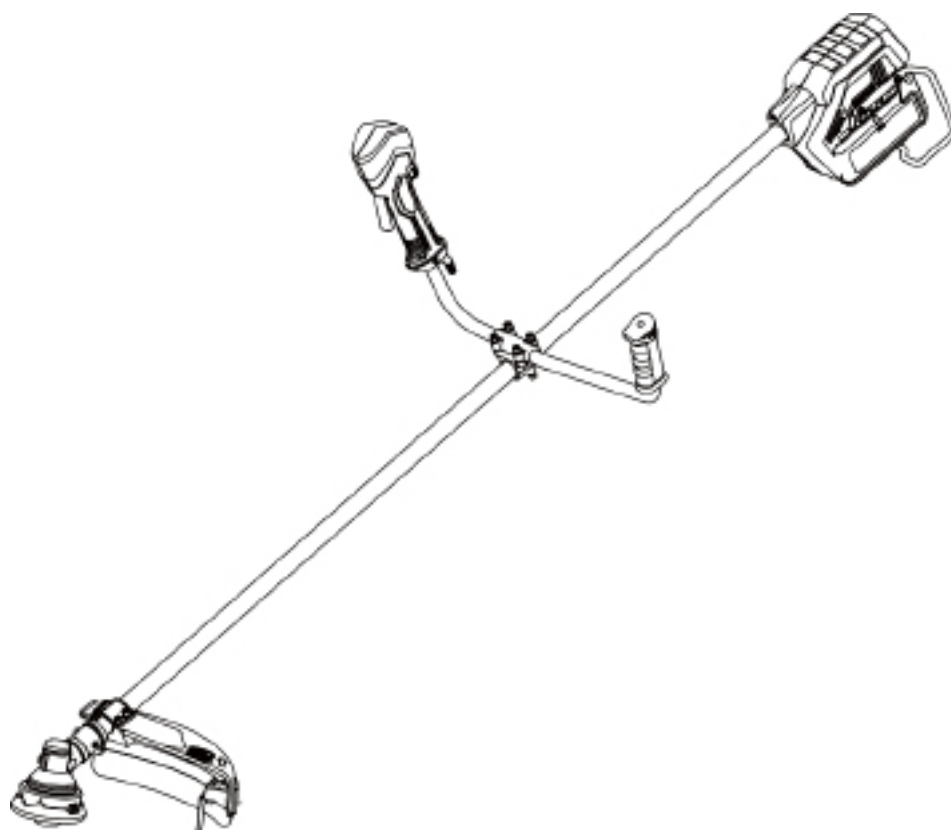




**BLUEBIRD
INDUSTRIES**

Battery-powered brush cutter

BC 23-800 B



Product user manual
-translation of the original instructions-

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Dear user,

Thank you for choosing one of our products. We develop and manufacture high-quality products according to our customers' needs. Our products continue to demonstrate excellent reliability in extreme conditions. The company itself is synonymous with excellent service quality. Our professional distributors offer service and support to resolve any questions about our products. Thank you for placing your trust in our company. We wish you a pleasant user experience.

Warning



Please read all warnings and safety instructions carefully. Failure to follow the relevant warnings and instructions may result in electric shock, fire, or other serious injuries.

Keep the warnings and instructions for future reference

Description of environmental protection



Comply with national laws and regulations on waste disposal. Electronic and electrical equipment must not be treated as household waste. Devices, accessories, and packaging must be recyclable.



It is forbidden to dispose of the machine with regular waste.

Description of important symbols



These hazard symbols indicate that serious injury or death may occur.

These symbols related to operating methods indicate that serious injury or death can be avoided.

These symbols related to operation indicate that material and equipment damage can be avoided.



Read the instruction manual



Keep this tool away from rain.



Warning/Danger



If the power cord is damaged or cut, disconnect it promptly



Wear protective clothing



Use of safety glasses



Use hearing protection



Wear non-slip boots



Guard logo



Chain direction



Do not dispose of in waste



Electrical safety distance



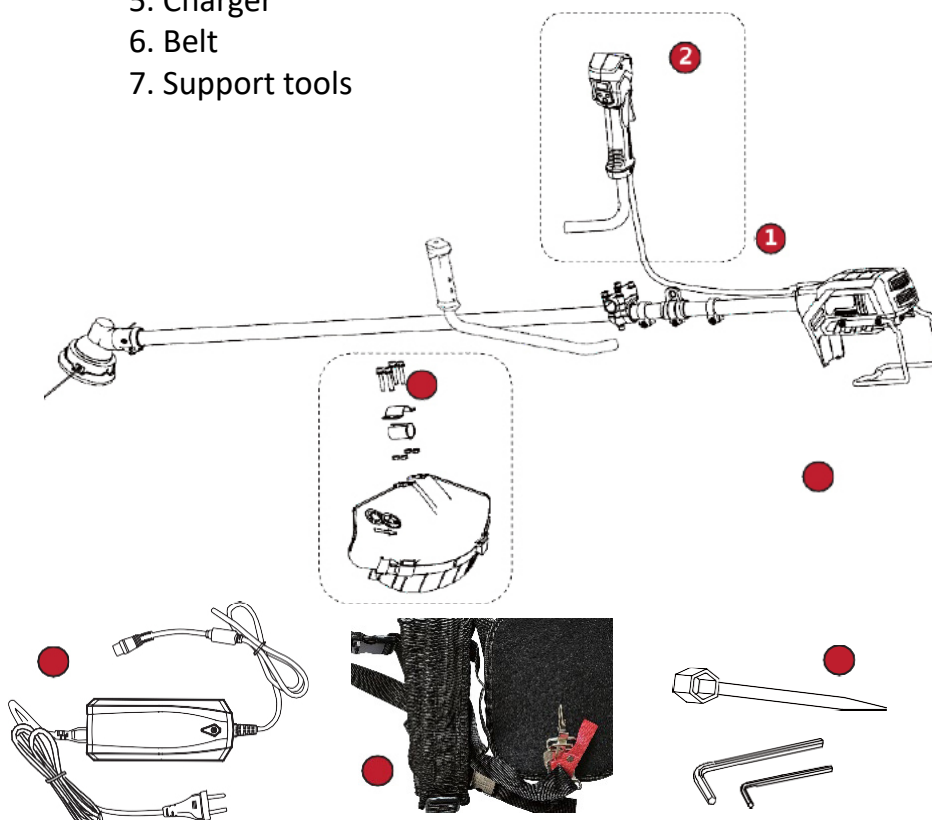
Keep away from fire



Keep away from damp environments

Parts list

1. Brush cutter
2. Throttle knob
3. Guard
4. Battery
5. Charger
6. Belt
7. Support tools

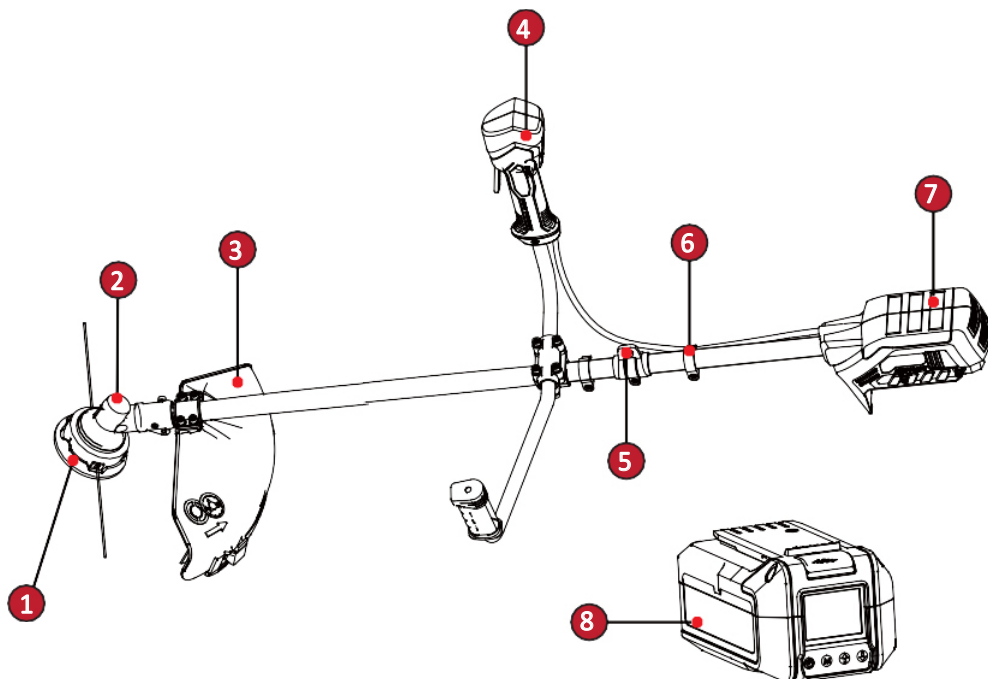


Products

This machine has the advantages of being small, lightweight, easy to move, low noise, long working hours, energy saving, environmental protection, and good quality, etc. It is suitable for use in urban communities, school districts, industrial areas, parks, rural orchards, agriculture, etc.

Name and diagram of each component

- | | |
|-----------------|---------------------------|
| 1. Cutting head | 5. Shoulder strap support |
| 2. Bevel gear | 6. Strap buckle |
| 3. Guard | 7. Motor |
| 4. Handlebar | 8. Battery |



Technical specifications

Model	BC 23-800 B
Maximum voltage	50.4V
Rated voltage	43.2V
Power	800 W
Maximum engine speed (RPM)	9000RPM
Weight	4.8Kg
Cutting speed (3-speed adjustment)	5000rpm/5500rpm/6000rpm
Line diameter	2.4 mm
Effective cutting diameter	406 mm
Auxiliary function	LCD display, electronic switch
Overall machine dimensions	1793*627*564mm

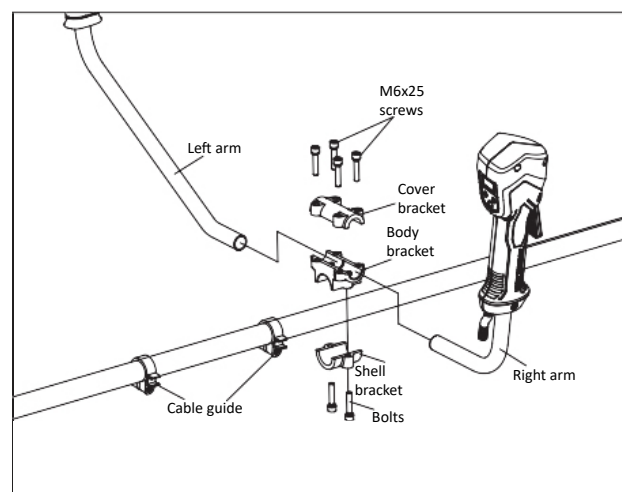
Installation steps



Disconnect the power supply when performing these operations.

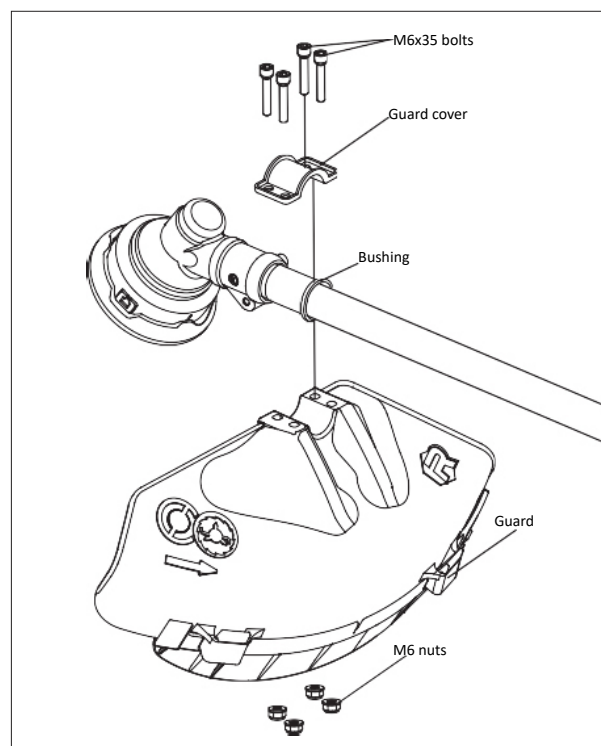
Handlebar assembly

1. Loosen the four M6×25 screws with an Allen key, insert the left and right handlebar arms respectively into the center of the bracket.
2. Adjust the angle of the handlebar, tighten the four M6×25 bolts, and then pass the throttle cable through the eyelets.



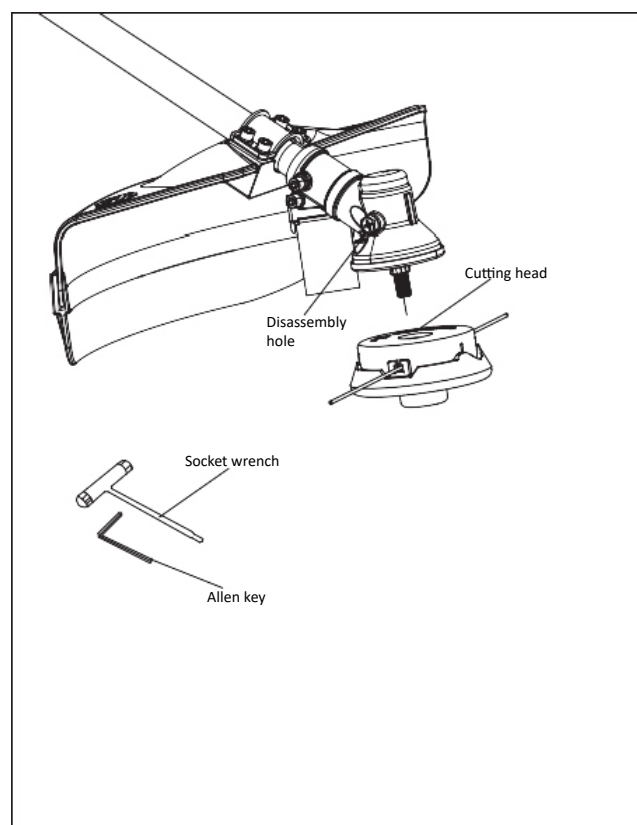
Guard assembly

1. Install the M6 nuts in the appropriate holes, then install the bushing in the proper position on the aluminum tube;
2. Then fasten the guard and the upper plate to the bushing;
3. Install the M6 × 35 bolts and lock them after adjusting the relative positions of the guard and the working parts;



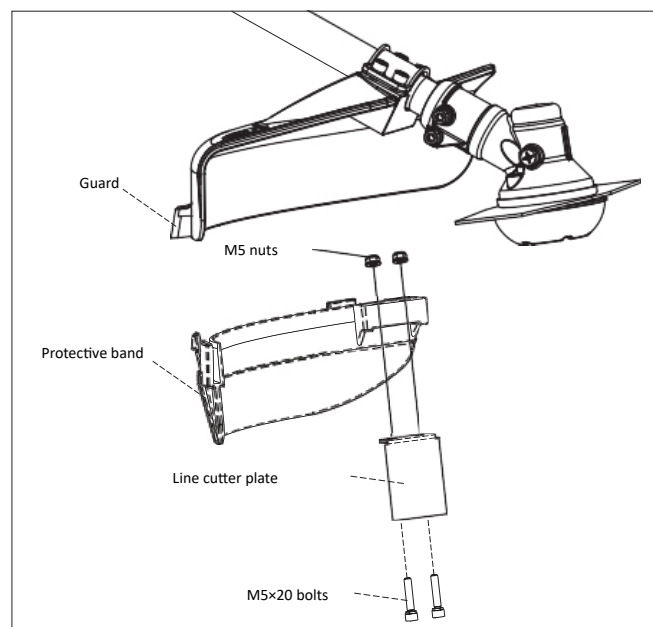
Replace the cutting head

1. When installing the head, insert the hex key into the disassembly hole to prevent it from rotating, then use the socket wrench to remove the nut until the protective cover and sleeve are removed;
2. Keep the hex key inserted in the disassembly hole and screw the head in a counterclockwise direction until it is firmly secured;
3. Finally, load the sleeve, the protective cover, and the nut in order.



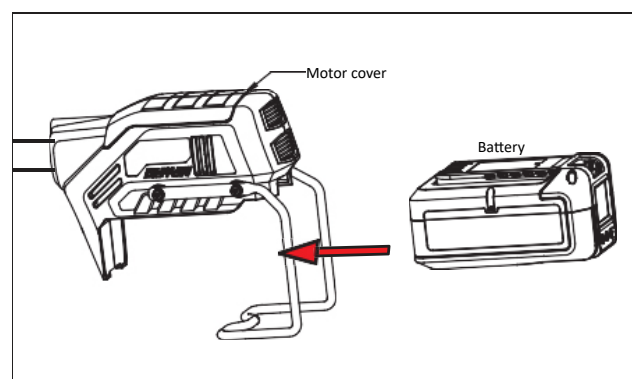
Install the guard strip for the cutting head

1. If it is necessary to change the protective band, loosen and remove the M5×20 bolts, remove the line cutter plate and the nuts;
2. Remove the protective band and replace it with a new one;
3. Install the M5 nuts in the appropriate holes, install the line cutter plate and the M5×20 bolts and tighten them;



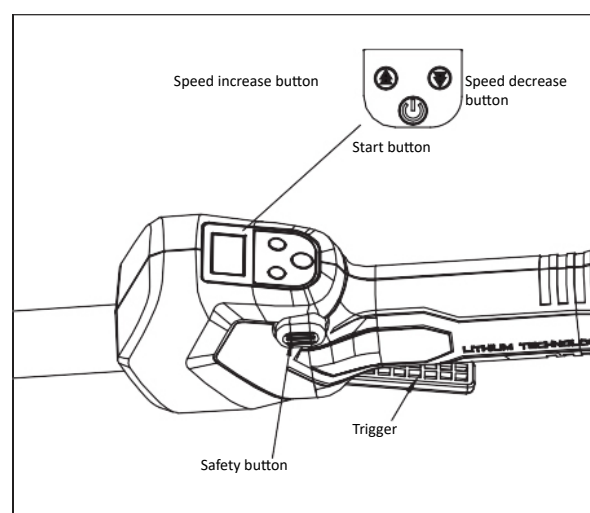
Install the battery

Align the battery with the sliding guide, push the battery, and install it securely.



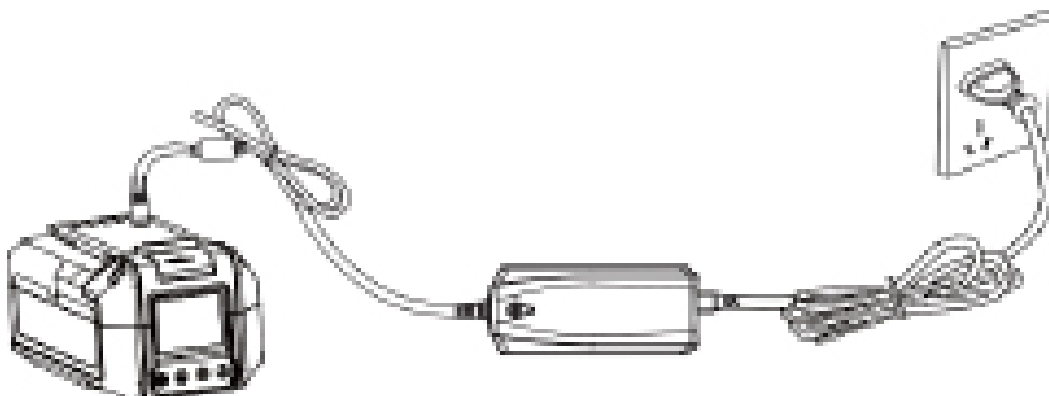
Machine start-up

1. Activate the battery
2. Press the start button to turn on the entire machine
3. Press the safety button
4. Pull the trigger
5. Press the up/down button to adjust the cutting speed
6. After releasing the trigger, the machine stops. Repeat steps 3, 4, and 5 again to reuse the machine. If necessary, reactivate the battery and the entire machine.



Battery charging

The battery of the new product is not fully charged. Place the charger in a horizontal position, insert the charger's power plug into the socket, and insert the other end into the charging port to connect the battery. If the charger's light is red, it means the charger is charging; if the charger's light is all green, the charging operation is complete.



In case of malfunction, handle it according to the command code that appears on the screen.

In case of malfunction, handle it according to the control code that appears on the screen.

Alarm meaning diagram				
Alarm content	Number of flashes of the motherboard LED	Number of beeps of the buzzer	Error displayed on the screen	Additional instructions
No problem	0	0	E00	
Protection against injuries	1	1	E01	
Current sensor error	2	6	E02	
MOS tube damage	3	6	E03	
Protection against peak overcurrent/ average current	5	5	E05	
Machine locked	6	3	E06	
Phase	7	4	E07	
Overvoltage/undervoltage	8	1	E08	
MOS/chip overtemperature	9	6	E09	
EEPROM error	11	6	E11	
Phase detection error	12	4	E12	
Programming error	13	6	E13	
Communication error between the motherboard and the battery	17	10	E17	

Note: E14: There is a definition, but the protection is not implemented. E15: There is a definition, just a reminder that the protection is not implemented, and the screen emits five beeps per minute;

Safety instructions

1. The first time, read this manual and understand the operating instructions before using this machine. The user is unaware and improper use may endanger their own safety and that of others.
2. The use of this machine is not permitted for the following people:
 - (1) People under the influence of alcohol;
 - (2) Psychiatric patients;
 - (3) Children;
 - (4) People who cannot use it normally due to excessive fatigue, illness, etc.
3. Wear appropriate clothing during operation
 - (1) Wear professional protective clothing and long-sleeved garments, but avoid loose clothes and pants
 - (2) Wear non-slip footwear
4. Never touch the disc:
 - (1) Do not touch the disc/cutting head during operation.
 - (2) When adding lubricating oil to the transmission parts, first turn off the switch to ensure the machine is stopped;
 - (3) When adding oil to the blade, turn off the switch to ensure the machine is stopped;



Special warnings:

Improper use of this machine can cause serious personal injury. The operator must pay maximum attention to safety measures and ensure adequate protections during operation. Unauthorized personnel are prohibited from approaching the work area, in order to prevent possible injuries caused by broken blades or flying fragments. It is also forbidden for the machine to be used by the elderly, sick people, and children.

Note: Our company is not responsible for use outside the scope of application.

Usage precautions

1. Check before use. In case of adjustments or malfunctions, promptly consult maintenance personnel.
2. Items to check before use:

Items that must be inspected for safety reasons		
Items to inspect	Check the content	Treatment method
Disc	Check that the disc is aligned and connected and that there are no gaps	Align the center hole
Disc screw	Check that the disc is locked and has no play to prevent it from being ejected.	Locking before starting
Bolting category	There are leaks or loose parts	Fastening
Blade/bucket	It is sharp	Copy
The battery is sufficient	It must be loaded in advance	In operation
Machine operation	There are anomalies in vibrations or noise	Maintenance

Matters requiring attention

1. The blades/teeth must be kept sharp from time to time to ensure a good cutting effect and achieve high efficiency.
2. Use the machine only when there is sufficient light and clear visibility. Be careful if the floor is slippery and if there is snow or ice to avoid slipping. There must be a secure foothold, do not work in unstable or unsafe places, and always pay attention to balance.
3. Keep all parts of the body away from the cutting disc. Do not remove or collect the cutting material while the disc is in motion. Make sure the power switch is off while cleaning the cutting material. Serious injuries may occur if attention is not paid during operation.
4. Hold the machine properly with both hands during operation to ensure it is under control.
5. Do not use this machine for long periods and let it rest for 10~20 minutes after every 30 minutes of normal work
6. If the machine encounters stones or solid objects during cutting, immediately turn off the switch and check for damaged discs/teeth. Sharpen or replace the damaged disc before resuming work.
7. When using the machine, do not cut hard objects with excessive force to avoid damaging the disc.
8. If you feel strong vibrations during operation, turn off the switch and check if the disc and fastenings are loose.
9. If problems occur during use, immediately turn off the switch.

Maintenance and adjustment

Sharpening the discs

If the disc is blunt or damaged and cannot function normally as before, it must be polished. If it is polished too much at once or has been polished many times, the disc or saw tooth must be replaced after it becomes blunt.

When the machine is not used for a prolonged period

- (1) Clean the machine with a soft cloth and then store it in a dry place as far away as possible to avoid rain.
- (2) The battery must be charged every 3 months.
- (3) Necessary repairs, replacements, and adjustments must be entrusted to a specialized shop or factory.

Common faults and troubleshooting methods

Fault	Cause	Remedy
The machine does not start	1. The cable plug is not inserted correctly	Insert the cable plug
	2. Cable has fallen inside the machine	Connection cables
	3. Partial disconnection of battery power supply	Testing and connection with multimeter
Noise	4. Frequent disc blockage	Do not press too hard
	5. Bearing wear	Replace the bearings
Overheating	6. Prolonged use	Let the machine rest for 10-20 minutes after every 30 minutes of normal operation.

Safety warnings

1. Make sure the power cable is away from the cutting area. During cutting, the power cable may remain hidden in the grass and be accidentally cut.
2. When the cutting accessory touches the black cable or your own cable, hold the tool by the insulated gripping surface
3. When the cutting accessory touches a live cable, the exposed metal parts of the tool will become live and the operator will receive an electric shock.

Safety code for the use of power tools

Attention



Read all warnings and instructions. Failure to follow the following warnings and instructions may result in electric shock, fire, or other serious injuries. Keep all warnings and instructions for reference.

In all the following warnings, power tools refer to both corded and cordless power tools

(1) Workplace safety

- a. Keep the work area clean and well lit, as mess and darkness will cause accidents.
- b. Do not use power tools in explosive environments, such as flammable liquids, gases, or dust. Sparks generated by power tools will ignite dust or gas.
- c. Keep children and bystanders away from the use of power tools. Lack of attention will cause the operator to lose control of the tool.

(2) Electrical safety

- a. The plug of power tools must match the power outlet and the plug must not be modified in any way. Power tools that must be grounded cannot use adapters. Unmodified plugs and proper power outlets reduce the risk of electric shock.
- b. Avoid human contact with grounded surfaces, such as cooling fins of pipes and refrigerators. If the body is grounded, the risk of electric shock increases.
- c. Do not expose power tools to rain or damp environments. The penetration of water into power tools increases the risk of electric shock.
- d. Do not abuse power cables. Never pull the power tool by the cable or disconnect it by pulling the cable. Keep cables away from sources of heat, oil, sharp edges, or moving parts. Damaged or bent cables can increase the risk of electric shock.
- e. When using power tools outdoors, use an extension cord suitable for outdoor use, which will reduce the risk of electric shock.
- f. If it is unavoidable to use power tools in a damp environment, use a residual current device (RCD), which can reduce the risk of electric shock.

(3) Personal safety

- a. Stay alert, pay attention to the operation, and remain awake when using power tools. Do not use power tools when you are tired or under the influence of medication, alcohol, or treatments. Negligence in the use of power tools can cause serious personal injury.
- b. Use personal protective equipment and always wear safety glasses and safety devices. For example, using dust masks, non-slip safety shoes, safety helmets, and hearing protection under appropriate conditions can reduce personal injuries.

- c. To avoid accidental start-up, make sure the switch is in the OFF position when connecting the power supply and/or battery compartment and when picking up or carrying the tool. It may be dangerous to put your finger on the connected switch or plug in the power cord when the switch is on.
 - d. Remove all wrenches or adjustment keys before turning on power tools; wrenches left on rotating parts of power tools can cause personal injury.
 - e. Do not overreach; always pay attention to support and balance. In this way, power tools can be well controlled in unforeseen circumstances.
 - f. Dress appropriately, do not wear loose clothing or accessories, and keep clothing, gloves, and hair away from moving parts. Loose clothing or long hair accessories can get caught in moving parts.
 - g. If devices are provided for connection to dust extraction equipment, make sure they are properly connected. And use them properly. The use of these devices can reduce the hazard caused by dust.
- Use and precautions of power tools

(4) Issues requiring attention when using power tools

- a. Do not misuse power tools; use the appropriate power tools for the task, and properly designed power tools will make the work more effective and safer.
- b. If the switch cannot connect or disconnect the power supply to the tool, it must not be used. Power tools that cannot be controlled by switches are dangerous and must be repaired.
- c. Before making any adjustments, replacing accessories, or storing power tools. The plug and/or battery compartment and tools must be disconnected from the power supply. Disconnecting this protective measure will reduce the risk of accidental start-up of the tools.
- d. Keep unused power tools out of the reach of children and do not allow use by people unfamiliar with power tools or who do not understand these instructions. Power tools are dangerous in the hands of untrained users.

After-sales service

If you have any questions during use, please contact us promptly (contact information can be found on the following page). We have professional staff who can answer your questions and problems and allow qualified maintenance personnel to repair power tools with identical spare parts, in order to maintain the performance of all electric shears.

Statement

The company reserves the right to make technical improvements to the products described in this manual. Please understand if there are any changes! In case of discrepancy between the graphic images and textual descriptions in this manual and the actual items, the actual items shall prevail.

EC DECLARATION OF CONFORMITY - HERSTELLERERKLÄRUNG - DECLARATION 'CE' DE CONFORMITE - DECLARACION DE CONFORMIDAD - DICHIARAZIONE DI CONFORMITA' EUROPEA - GELIJKVORMIGHEIDSVERKLARING - EC DEKLARATION I OVERENSSTEMMELSE - DECLARAÇÃO CE DE CONFORMIDADE - EY ILMOITUS - FORSAKRAN OM OVERENSSTAMMELSE - BEKREFTENDE EU ERKLÆRING - ΔΗΛΩΣΗ ΕΚ ΣΥΜΜΟΡΦΩΣΗΣ - EUROPEJSKA DEKLARACJA ZGODNOSCI

1) MANUFACTURER – HERSTELLER – FABRICANT – FABRICANTE – COSTRUTTORE – CONSTRUCTEUR – PRODUCENT – FABRICANTE – VALMISTAJA – TILLVERKARE – FABRIKANT – Κατασκευαστής – PRODUCENT:

Blue Bird Industries Fabbrica Motori SRL
Via Due Camini 19, 36010 Zanè (VI), Italia

2) DESCRIPTION OF THE MACHINERY – BESCHREIBUNG DER MASCHINE – DESCRIPTION DE LA MACHINE – DESCRIPCION DE LA MAQUINARIA – DESCRIZIONE DELLA MACCHINA – BESCHRIJVING VAN DE MACHINE – BESKRIVELSE AF MASKINEN – DESCRIÇÃO DA MAQUINA – KONEEN NIMITYS – MATERIELSLAG – BESKRIVELSE AV MASKINERET – ΠΕΡΙΓΡΑΦΗ ΤΩΝ ΜΗΧΑΝΩΝ – OPIS MASZYN: **DECESPUGLIATORE A BATTERIA – CORDLESS BRUSH CUTTER**

a) MAKE – FABRIKAT – MARQUE – MARCA – MARCA – MERK – MÆRKE – MARCA – MERKKI – FABRIKAT – FABRIKANT – MAPKA – MARKA:

BLUE BIRD INDUSTRIES Fabbrica Motori srl
Via Due Camini 19, Zanè, Italia

b) TYPE / TYP / TYPE / TIPO / TIPO / TYPE / TYPE / TIPO / MALLI / TYPBE / TYPE / ΤΥΠΟΣ / TYP:

BC 23-800 L
BC 23-800 B

2000/14/EC (2005/88/EC) – Livelli di potenza sonora come da allegato V – Sound Power Levels performed per annex V	
TIPO	Livelli di Potenza Sonora Misurata / Livelli di Potenza Sonora Garantita LWA Sound Power Levels Measured / Sound Power Level Guaranteed LWA (dB)
BC 23-800 L	69 / 92
BC 23-800 B	

c) Il prodotto è conforme alle direttive - The product complies with the directives - Das Produkt entspricht den Richtlinien - Le produit est conforme aux directives - El producto cumple con las directivas :

- 2006/42/EC – 2014/30/EU – 2000/14/EC (2005/88/EC) – 2011/65/EU

d) REFERENCE TO STANDARDS/HARMONIZED STANDARDS - VERWEIS AUF NORMEN/HARMONISIERTE NORMEN - REFERENCE AUX NORMES/NORMES HARMONISEES - REFERENCIA A ESTANDARES/ESTANDARES ARMONIZADOS - RIFERIMENTO ALLE NORME/NORME ARMONIZZATE - REFERENTIE NAAR STANDAARDEN/GEHARMONISEERDE STANDAARDEN - REFERENCE TIL STANDARDER/HARMONISEREDE STANDARDER - REFERENCIA AS NORMAS/NORMAS HARMONIZADAS - VITTAUS STANDARDIIN/YNTEISIIN STANDARDIIN - REFERERANDE TILL STANDARDER/HARMONISERADE STANDARDER - HENVISNING TIL STANDARD/FELLES STANDARD - ΑΝΑΦΟΡΑ ΣΕ ΠΡΟΤΥΠΑ/ΕΝΑΡΜΟΝΙΣΜΕΝΑ ΠΡΟΤΥΠΑ - ODNIENIE DO NORM/NORM ZHARMONIZOWANYCH:

EN 62481-1:2015

EN ISO 11806-1:2022

EN 60335-1:2012/A15:2021

EN 50636-2-91:2014

EN 62233:2008

e) Il caricabatterie (mod. KOHAM-5041660-84W) è stato fabbricato e distribuito in conformità con le seguenti direttive: 2014/35/EU, 2014/30/UE e 2011/65/UE
The charger (mod. KOHAM-5041660-84W) has been manufactured and put on the market in accordance with the following directives: 2014/35/EU, 2014/30/EU and 2011/65/UE
Das Ladegerät (mod. KOHAM-5041660-84W) wurde gemäß den folgenden Richtlinien hergestellt und vertrieben: 2014/35/EU, 2014/30/UE e 2011/65/UE
Le chargeur (mod. KOHAM-5041660-84W) a été fabriqué et distribué conformément aux directives suivantes: 2014/35/EU, 2014/30/UE e 2011/65/UE
El cargador (mod. KOHAM-5041660-84W) fue fabricado y distribuido de acuerdo con las siguientes directivas: 2014/35/EU, 2014/30/UE e 2011/65/UE

Importato da - Imported by - Eingeführt von - Importé par - Importado por:



BLUE BIRD INDUSTRIES – FABBRICA MOTORI s.r.l.

ZANÈ (VI) – ITALIA

21-04-2023

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(F) Documentation technique maintenue par
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