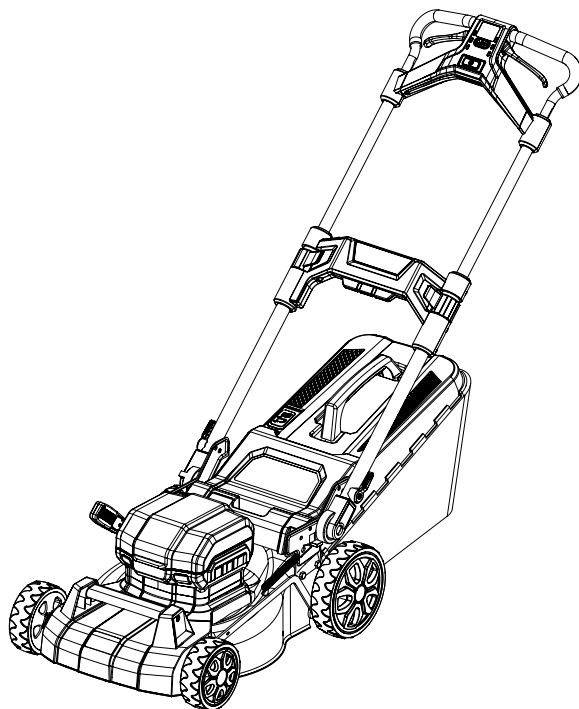




**BLUEBIRD
INDUSTRIES**

Battery lawn mower
LM 22-41



Product using manual
-original instructions-

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Dear users, first of all, thank you for choosing our high quality products!
In order to better use the product, please read the instructions carefully before use, and keep this manual for future reference. If you have any questions in the use process, please contact us in time. We have professional personnel to answer your questions. Wish you happy!

Warning!



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

Please keep all warnings and instructions for future reference.

Description of environmental protection



Please comply with the relevant national laws and regulations on waste disposal. Electronic and electrical appliances should not be treated as domestic waste. Equipment, accessories and packaging shall be recyclable.



It is forbidden to discard the machine at will.

Instructions for the use of manual

Suitability document

Applicability of local safety regulations

Read, understand and save the relevant documents of this manual.

- (1) Instructions and safety specifications of the battery pack
- (2) For the safe use information of the battery pack, please refer to the manual.

Description of important symbols



These hazard symbols mean that serious injury or death may result. These symbols show how you can avoid serious injury and death. These symbols indicate how to avoid damage to property and equipment.

Warning signs



Caution



To avoid accidental injury, users should read the user's manual before operating the machine.



When operating the machine, you should wear protective glasses.



When operating the machine, stay away from the surrounding people for at least 15 meters.



Pull out the key when assembling, repairing and cleaning the machine



Avoid touching the blade and cutting part by hands and feet



Be careful of foreign bodies splashing when mowing grass.



Be careful of electric shock.



Don't throw the discarded machines into the trash can, and hand it over to the recycling department.



Do not mow grass on slopes over 15° and uneven places.



Don't let the machine get wet in the rain or put it in a damp place.



Only after all parts stop running, you can contact the machine.

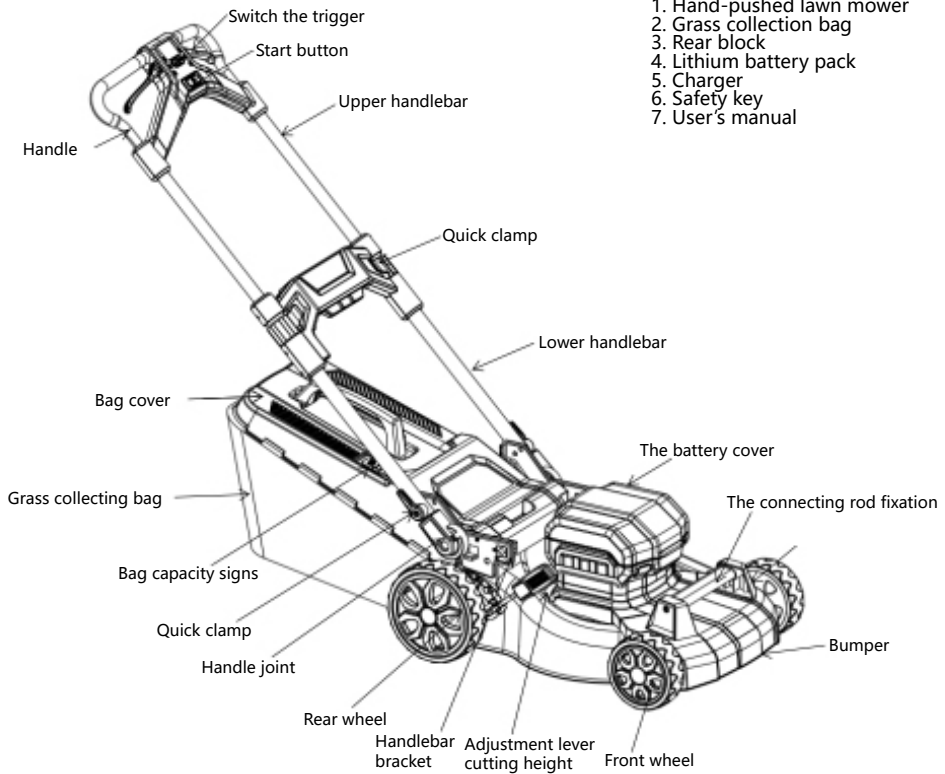
Specifications

Model	LM 22-41
Max Battery capacity	21V 5Ah x2
Rated Battery capacity	18V 5Ah x2
Rated speed	3000-3500 rpm
Cutting diameter	16" 406mm
Rated power	750W
Shear height	25-75 mm
Straw bag volume	45 L
Net weight	26 kg

Name of parts

List of parts:

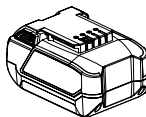
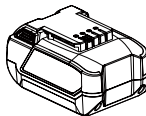
1. Hand-pushed lawn mower
2. Grass collection bag
3. Rear block
4. Lithium battery pack
5. Charger
6. Safety key
7. User's manual



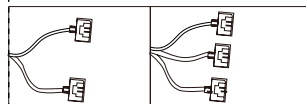
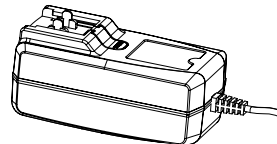
Safety key



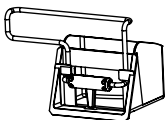
Battery X2



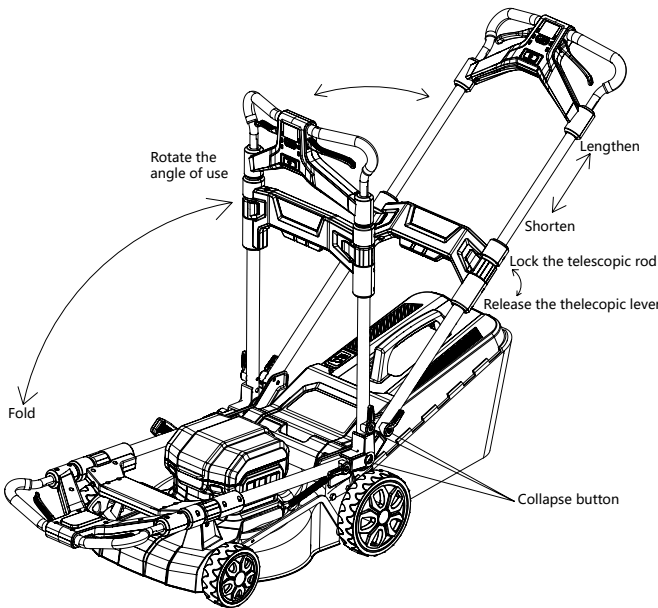
Charger



Rear block



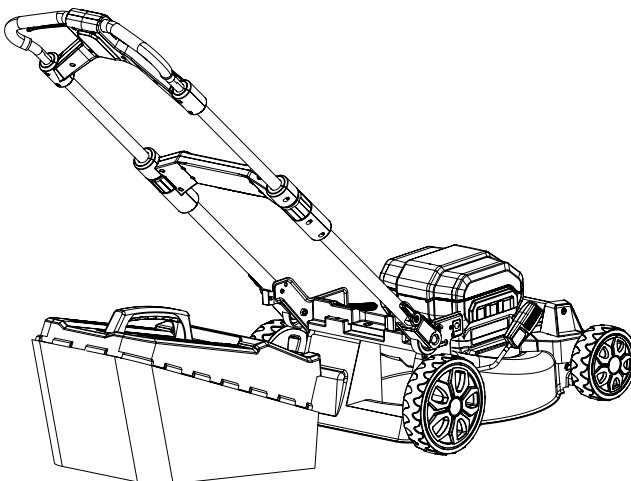
Use of quick clamp



- Lift the upper handrail bar upward to straighten the folded upper and lower handrails.
- Tighten the lower handrail bar.
- Press the quick grip handle, make the push rod clamping.

Note: When storing machine, the quick clamp at the upper and lower armrest bars can be loosened first, so that they can be folded, which is convenient for storage.

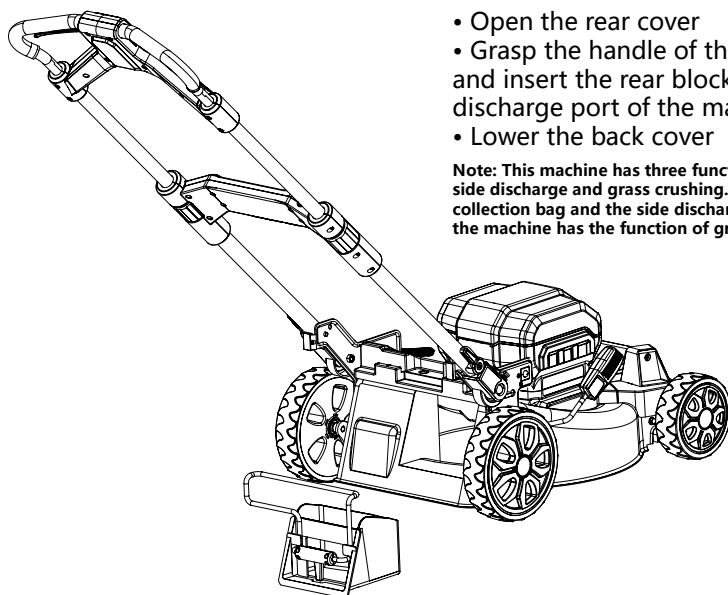
Install grass collection bag



- Open the rear cover.
- Grab the handle of the grass collection bag and hang the hook of the bag in the specific slot which is at the rear of the machine.
- Lower the back cover.

Note: Before installing the grass collection bag, please take out the rear block from the rear discharge port.

Install rear block

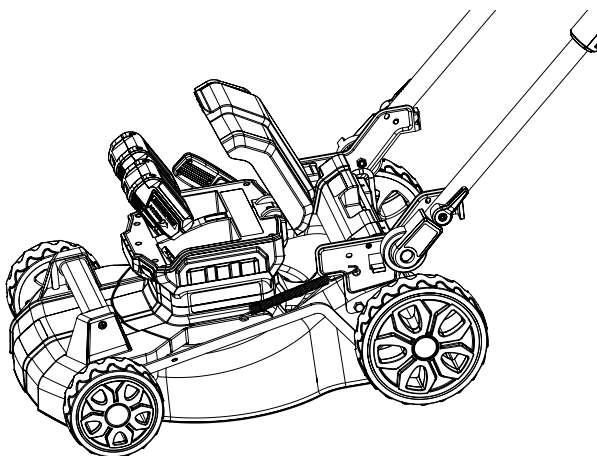


- Open the rear cover
- Grasp the handle of the rear block and insert the rear block into the rear discharge port of the machine.
- Lower the back cover

Note: This machine has three functions: grass collection, side discharge and grass crushing. When the grass collection bag and the side discharger port are removed, the machine has the function of grass crushing.

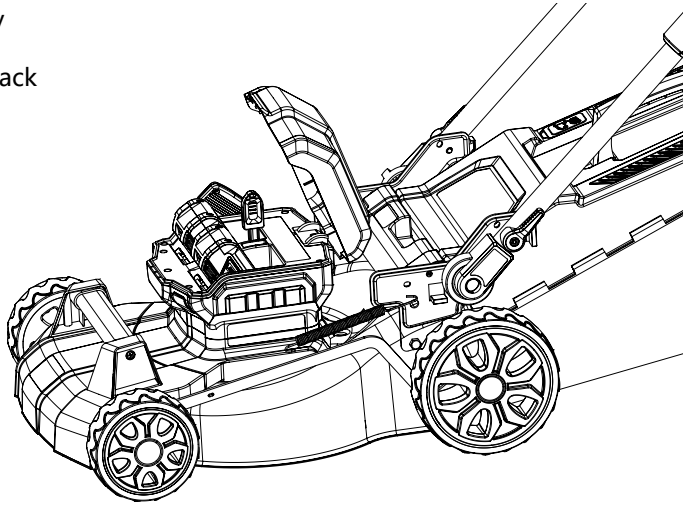
Installing battery packs

- Open the battery pack compartment cover.
- Insert the battery pack.



Install safety key

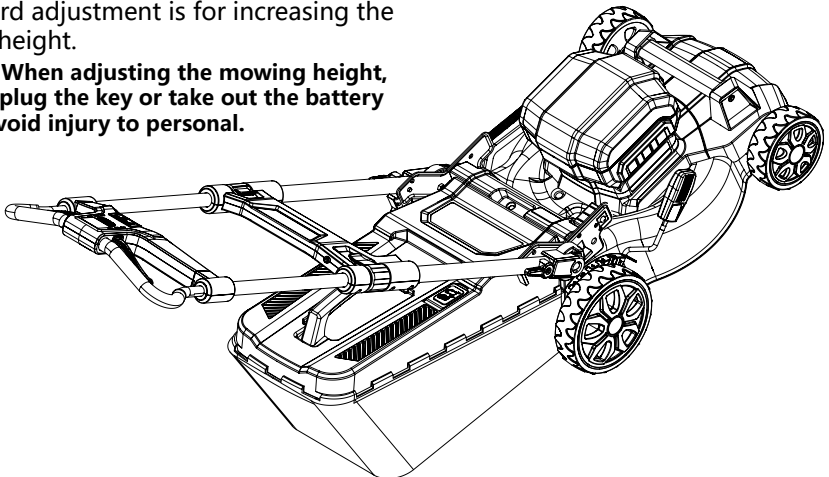
- Insert the safety key into the key slot.
- Lower the battery pack compartment cover.



Adjust the mowing height

- Grasp the raising handle.
- This machine has six gears for adjustment: the forward adjustment is for lowering the mowing height.
- Backward adjustment is for increasing the mowing height.

Warning: When adjusting the mowing height, please unplug the key or take out the battery pack to avoid injury to personal.



Start/stop the machine

Start the machine:

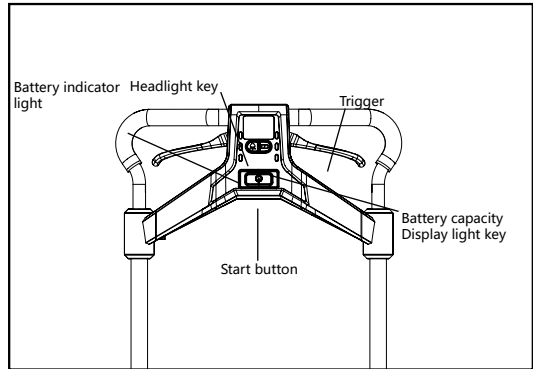
Install the battery pack and safety key.

Press the power on button with one hand. Hold the trigger with the other hand while pressing the power button.

Release the power button and the machine starts to run.

To stop the machine:

Release the trigger.



Warning: When the machine is not in use or stored, please remove the key and battery pack.

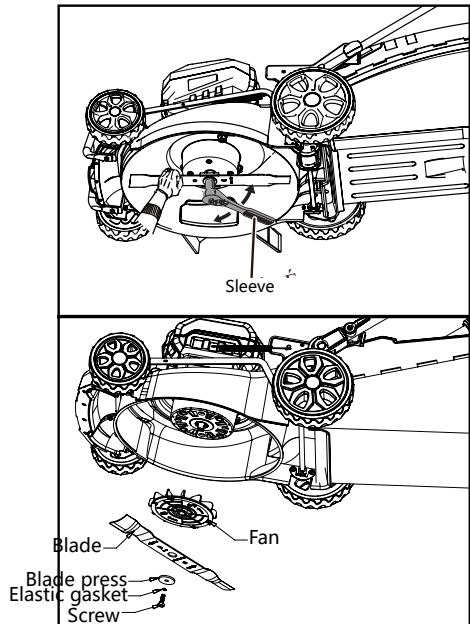
Change the blade

- Hold the blade by hand, and use a 13mm sleeve to loosen the bolt at the same time, and remove the bolt. (counterclockwise rotation is for loosening, clockwise rotation is for tightening).
- Remove bolt and gasket.
- Remove the old blade.
- Install the new blade according to the above steps.

Note: Please use the blade which is configured specially for this machine.

Warning: To avoid danger, remove the battery pack before replacing the blade.

Warning: Wear protective gloves when changing blades.



Empty the grass collection bag

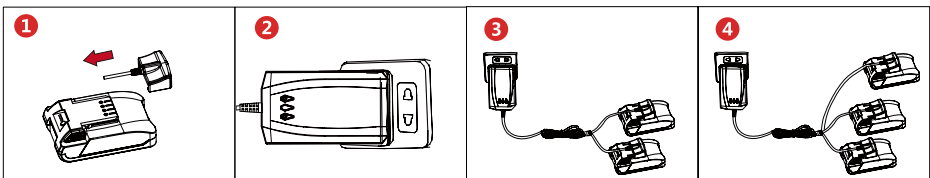


•After working for a period of time, you can open the capacity indicator to check the collection situation of grass collection bag.

Note: When the grass collection bag is full, please empty it in time. When the grass collection bag is damaged, replace it in time.

Matters needing attention in the use and maintenance of battery

➤ Battery charging



➤ **If a fault occurs, rectify the fault according to the prompt code on the display**

Indicator fault warning:

When using the product, if the following code occurs, you can repair or handle the fault according to the corresponding fault prompt

Lawn machine E code alarm instructions and treatment methods		
Alarm content	Green flash shown number	Treatment method
Current sensor error	2	The controller is faulty. Return it to the factory for repair
MOS tube failure	3	The controller is faulty. Return it to the factory for repair
Overload	4	The grass is too dense and exceeds the cut density
Peak overcurrent	5	Blade hit hard object protection, restart
The blade is blocked	6	The blade is stuck by a foreign body. Remove the foreign body inside the cutter head
Motor phase loss	7	Check whether the motor phase wire connection is in good contact
Undervoltage/overvoltage	8	The battery needs to be charged or the battery voltage is too high
The MOS/chip is overheated	9	Control panel overheating, let tools cool before working
Communication failure	10	Check whether the panel is in good contact with the plug of the main control board
Controller failure	11	If the fault is not rectified, the controller is faulty
Phase detection failure	12	Check whether the motor phase wire connection is in good contact
Controller failure	13	If the fault is not rectified, the controller is faulty
The panel fails to communicate with the mainboard	18	Check whether the cables between the panel and the main control board are in good condition
The folding switch is pressed but not turned off	19	Check whether the folding switch and power start button are abnormal or the controller is faulty

1.1 The tool shall be marked with the following rating information:

Rated voltage or range of rated voltage in volts (V); For tools for star-triangular connections, two voltage ratings (e.g. 230/400Y) should be clearly indicated. For tools marked with a voltage range that meets the requirements of this section, it may also be marked with either a single voltage or a smaller voltage range within the range;

---- the power supply type symbol, but it may not be marked with the rated frequency or rated frequency range. The power supply type symbol should immediately follow the rated voltage mark, except for three-phase tools suitable for single-phase power supplies;

---- rated input power in watts or kilowatts (W or kW); or rated current, in amperes (A); Ratings marked on the tool

---- input power or rated current refers to the sum of the maximum input power or the sum of the maximum current that occurs on the external circuit at the same time. If there is a replaceable component selected by the control device on the tool, the rated input power or rated current corresponds to the highest possible load;

---- Class II structure symbols (for Class II tools only);

---- except for the protection class code (IP code) IPX0 to prevent harmful water ingress. If the IP code omits the first digit, the province

The omitted number should be replaced by the letter "X", such as IPX5.

Test by observation.

1.2 The tool shall be marked with one of the following safety warnings:



Warning - in order to reduce the risk of injury, the user must read the instruction manual";

ISO 7010:2011 M002 marking;

--Appropriate symbols indicated in Parts 2, 3 and 4.

If the word "warning" is used, bold characters not less than 24mm high should be used and must not be separated from the aphorism or the graphic symbol of GB/T16273.1-2008 serial number 123.

If aphorisms are used, except for the "instruction manual" available in the "operating manual" or "user guide", the content of the aphorisms should be written verbatim in the prescribed order.

If additional symbols are used, they should comply with the provisions of ISO 7010 or be designed to comply with the provisions of GB/T28932 or GB/T2893.3.

1.3 The tool shall be marked with the following additional information:

- The business name, address and any address of the producer or his authorized representative shall ensure that it can be contacted. Country, region, city and postal code

(if any) is deemed sufficient to satisfy this requirement; --Country of origin;

Verification by observation and measurement.

- The name of the tool, which can be a combination of letters and/or numbers. If the code is explained in the instruction manual, which specifies the name of the tool, such as "electric drill" and "planer", the name can be expressed in the form of a code;

- the name or type of the series, allowing the technical identification of the product, which can be composed of letters and/or numbers, or combined with the name of the tool;

Note: The name or type of the series is also known as the model.

- at least the date of manufacture (or producer date code) that identifies the year;

- For tools assembled by the end user to assemble its bulk parts, each part or package should be marked with a unique logo

- "> 25 kg", if the mass of the tool exceeds 25 kg. The added flags should not be misleading.

Test by observation.

1.4 General safety warning for power tools

Warn! Read all safety warning notes, illustrations and regulations provided with power tools. Failure to follow the instructions listed below will result Electric shock, fire, and/or serious injury.

Save all warnings and instructions for reference.

The term "power tools" in the warning refers to mains drive (wired) power tools or battery-powered (wireless) power tools.

a) Safety of the workplace

1) Keep the workplace clean and bright. Cluttered and dark venues can cause accidents.

2) Do not operate power tools in explosive environments, such as flammable liquids, gases or dust. Sparks from power tools can ignite dust or gas.

3) When operating power tools, stay away from children and bystanders. Lack of concentration can cause you to lose control of the tool.

b) Electrical safety

1) The power tool plug must match the socket. The plug must not be modified in any way. Power tools that need to be grounded cannot be made Use any conversion plug. Unretrofitted plugs and matching sockets will reduce the risk of electric shock.

2) Avoid human contact with grounded surfaces such as pipes, heat sinks and refrigerators. If your body touches the ground surface, the electric shock will increase

Risk.

3) Do not expose power tools to rain or humidity. Water entering the power tool will increase the risk of electric shock.

4) Do not abuse the soft wire. Never use cord handling, pulling or unplugging power tools. Keep the cord away from heat, oil, Sharp edges or moving parts. Damaged or wound cord increases the risk of electric shock.

4) Do not abuse the soft wire. Never use cord handling, pulling or unplugging power tools. Keep the cord away from heat, oil,Sharp edges or moving parts. Damaged or wound cord increases the risk of electric shock.

5) When using power tools outdoors, use an extension cable suitable for outdoor use. Wires suitable for outdoor use will reduce electricity Hit the risk.
6) If it is impossible to avoid operating power tools in a humid environment, a power supply with residual current device (RCD) protection should be used The use of RCD can reduce the risk of electric shock.

Note: The term "residual current device (RCD)" may be replaced by the term "ground fault circuit breaker (GFCI)" or "ground leakage circuit breaker (ELCB)".

C) Personal safety

1) Stay alert, pay attention to what you are doing and stay awake when operating power tools. When you feel tired, or when there is medicine Do not operate power tools in response to substance, alcohol, or treatment. Momentary negligence in the operation of power tools can lead to serious personal injury.

2) Use personal protective clothing. Always wear goggles. Protective devices, such as the use of dust masks under appropriate conditions, anti-slip security Full shoes, hard hats, hearing protection and other devices can reduce personal injury.

3) Prevent accidental start-up. Make sure the switch is in the off position before connecting the power supply and/or battery pack, picking up or handling tools. hand Refers to the danger of powering on a tool or switch that is placed on a switch or when it is dryly switched on.

4) Remove any adjustment keys or wrenches before the power tools are switched on. Wrenches left on rotating parts of power tools or The key can cause personal injury.

5) Do not overstretch your hands. Always pay attention to your foothold and body balance. This allows for better control of power tools in unexpected situations.

6) Dress appropriately. Do not wear loose clothing or accessories. Keep your hair and clothes away from moving parts. Loose clothing, Wearing ornaments or long hair may be rolled into moving parts.

7) If a device is provided for connection with the chip removal and dust collection equipment, it is necessary to ensure that the connection is intact and used properly. The use of dust collectors reduces the risk caused by dust debris.

8) Don't take the familiarity that comes with frequent use of tools and ignore the safety guidelines for tools. A careless action can cause serious injury in an instant.

d) Use and precautions for power tools

1) Do not force the use of power tools, use the appropriate power tools according to the purpose. Choosing the right power tools designed according to the ratings will make your work more efficient and safer.

2) If the switch cannot be turned on or off, the power tool cannot be used. Power tools that cannot be controlled by switches are dangerous and must be repaired.

3) Before making any adjustments, replacing accessories or storing power tools, the plug and/or battery pack must be removed from the power supply (if removable). This protective safety measure reduces the risk of accidental start-up of power tools.

4) Store idle power tools outside the reach of children, and do not allow people who are not familiar with power tools and do not understand these instructions to operate power tools. Power tools are dangerous in the hands of untrained users.

- 5) Maintain power tools and their accessories. Check whether the moving parts are adjusted in place or stuck, check the parts for damage and other conditions that affect the operation of power tools. If damaged, the power tools should be repaired before use. Many accidents are caused by poorly maintained power tools.
- 6) Keep the cutting tool sharp and clean. Well-maintained tools with sharp cutting edges are not easily stuck and easy to control.
- 7) Select the tool head of the power tool, accessories and tools according to the instruction manual and consider the working conditions and the operation to be carried out. Using power tools for operations that are inconsistent with their purpose can lead to dangerous situations.
- 8) Keep the handle and grip surface dry and clean, and do not stain with grease. In the event of an accident, a slippery handle does not guarantee the safety of the grip and control of the tool.

1.5 Maintenance

- 1, Let the professional maintenance personnel use the same spare parts to repair the power tools. This will guarantee the safety of the repaired power tools.
- 2, Never repair the damaged battery pack, the battery pack can only be repaired by the manufacturer or its authorized maintenance service provider.
- 3, for battery-type tools:
 - a) a description of the battery pack charging, tool and battery pack usage and storage temperature limits and the recommended charging temperature range,
 - b) for battery-type tools that use removable battery packs or split battery packs, there is a class number, a serial number or
Equivalently specify a description of the appropriate battery pack
 - c) by class number, serial number or equivalent to specify the description of the appropriate charger.



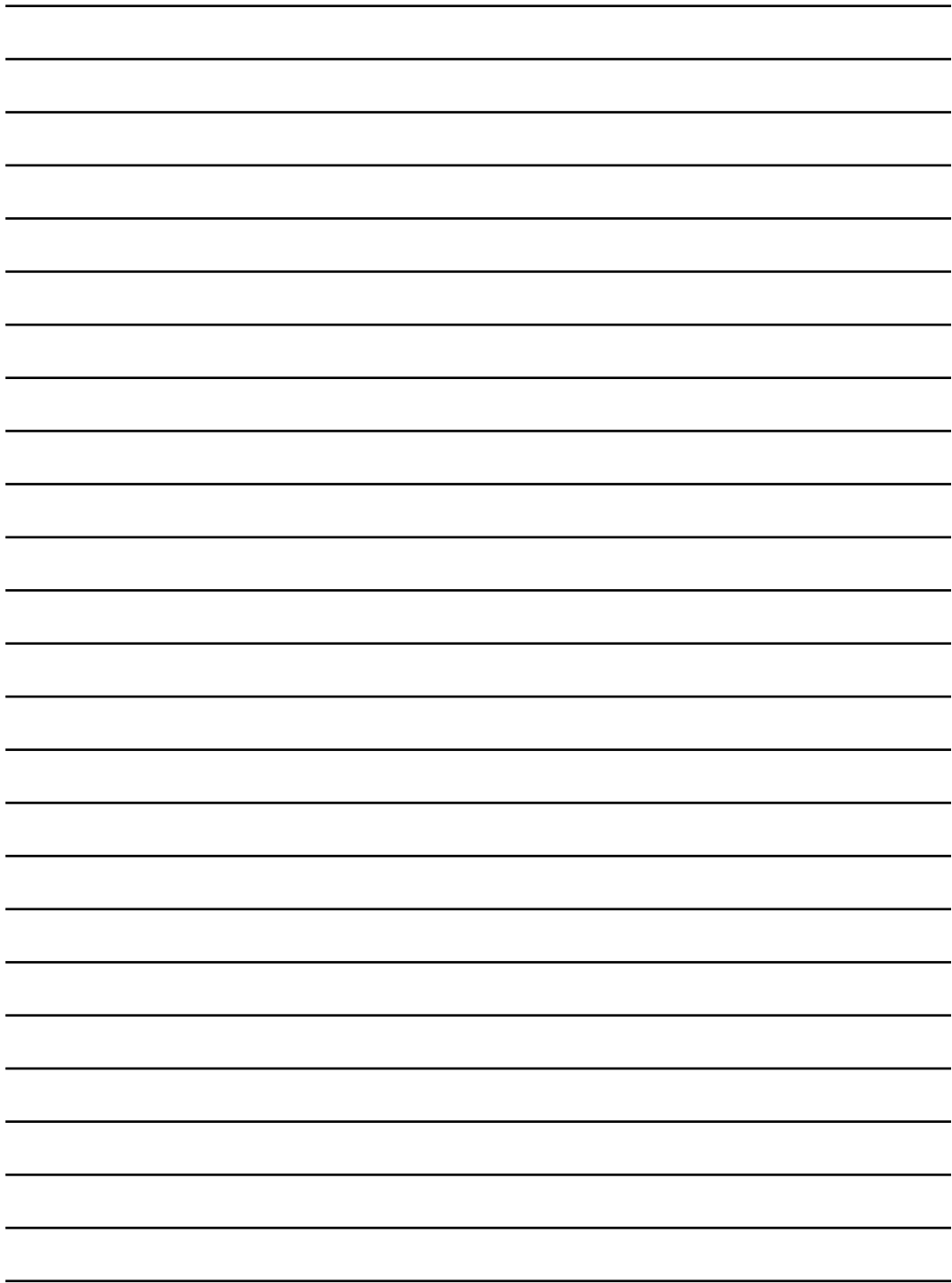
After-sale service

If you have any questions in the process of use, please contact us in time. We have professional personnel to answer your questions and problems, and let qualified maintenance personnel use identical replacement parts to repair electric tools, which can maintain the safety performance of electric pruning shears.



Declaration

The company reserves the right to make technical improvements to the products described in this manual. Please understand if there is any change! If there is any discrepancy between the graphic image and text description in this manual and the real object, please refer to the real object!



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

1) MANUFACTURER – HERSTELLER – FABRICANT – FABRICANTE – COSTRUTTORE – CONSTRUCTEUR – PRODUCTENT – FABRICANTE – VALMISTAJA – TILLVERKARE – FABRIKANT – Κατασκευαστής – PRODUCENT:
Blue Bird Industries Fabbrika Motori s.r.l.
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 MASKINERIEI – ΠΕΡΙΓΡΑΦΗ ΤΩΝ ΜΗΧΑΝΩΝ – OPIS MASZYN:
RASAERBA A BATTERIA – CORDLESS LAWN MOWER

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

BLUE BIRD INDUSTRIES Fabbrika Motori srl

Via Due Camini 19, Zanè, Italia

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

LM 22-41

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)
LM 22-41	89 / 96

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 STANDARDDEIHN/YHTEISIIN STANDARDDEIHN - REFERERANDE TILL STANDARDER/HARMONISERADE STANDARDER - HENVISNING TIL STANDARD/FELLES STANDARD - ΑΝΑΦΟΡΑ ΣΕ ΠΡΟΤΥΠΑ/ΕΝΑΡΜΟΝΙΣΜΕΝΑ ΠΡΟΤΥΠΑ - ODNIESIENIE DO NORM/NORM ZHARMONIZOWANYCH:

EN 62481-1:2015/A11:2022

EN IEC 62841-4-3:2021/A11:2021

e) Il caricabatterie (mod. KH50-2102380-2E) è stato fabbricato e distribuito in conformità con le seguenti direttive: 2014/35/EU, 2014/30/UE e 2011/65/UE
The charger (mod. KH50-2102380-2E) 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. KH50-2102380-2E) wurde gemäß den folgenden Richtlinien hergestellt und vertrieben: 2014/35/EU, 2014/30/UE e 2011/65/UE
Le chargeur (mod. KH50-2102380-2E) a été fabriqué et distribué conformément aux directives suivantes: 2014/35/EU, 2014/30/UE e 2011/65/UE
El cargador (mod. KH50-2102380-2E) 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 28-04-2023

The chairman – Der vorsitzender – Le président – El presidente – Il presidente – De voorzitter – Daglig leder – O presidente – Toimitusjohtaja – Verkställande direktör – Administrerende direktør – Ο ΓΓΡΕΥΣ – Prezes

VANDA VITELLA

(GB) Technical documentation maintained by
(F) Documentation technique maintenue par
(I) Documentazione tecnica conservata da
(DK) Teknisk dokumentation tilhåndhalden af
(FI) Teknisten asiakirjojen ylläpitäjä
(NO) Teknisk dokumentasjon vedlikeholdt av

(D) Technische Dokumentation aktualisiert durch
(E) Documentacion tecnica mantenida por
(NL) Technische documentatie onderhouden door
(P) Documentação tecnica mantida por
(SE) Teknisk dokumentation tillhandhållen av
(GR) τεχνικό φάκελο που τηρείται από

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

VANDA VITELLA



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