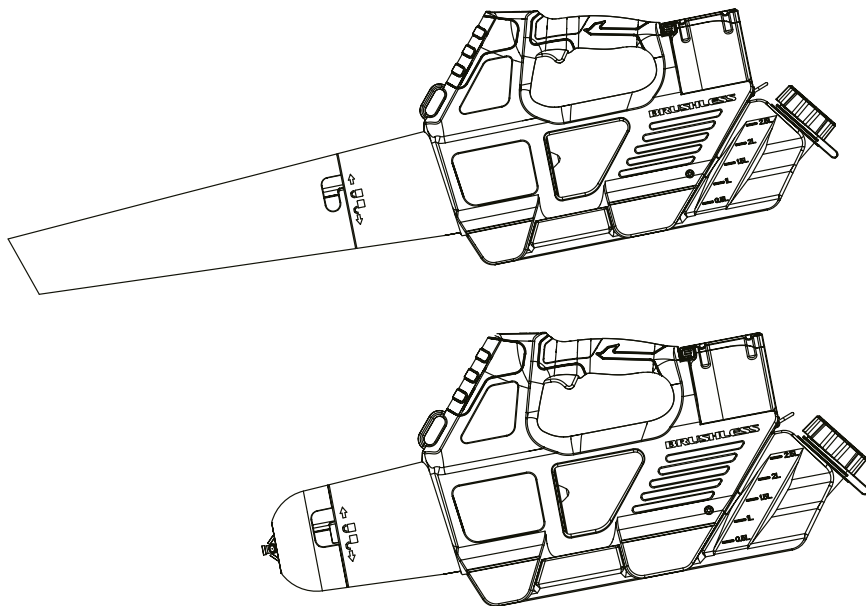




BLUEBIRD INDUSTRIES

Battery-powered Blower - Atomizer

BS 22-400



Product user manual

-translation of the original instructions-

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Dear users:

Thank you for choosing our product. We develop and manufacture high-quality products according to the needs of our customers. Our products have proven to be highly reliable, even in extreme conditions. The company is also synonymous with excellent service quality. Our professional dealers provide services and support to resolve any questions regarding our products. Thank you for the trust you have placed in our company. We wish you a pleasant user experience.

Attention



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

Keep all warnings and instructions for future reference.

Environmental protection



Please comply with national laws and regulations regarding waste disposal. Electronic and electrical tools must not be treated as household waste. The equipment, accessories, and packaging must be recyclable.



It is forbidden to dispose of the tool at your own discretion.

Instruction manual

Certificate of suitability

Applicability of local safety standards

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

- Battery pack safety instructions and specifications

Description of symbols



These hazardous symbols mean that it can cause serious injury or death.

These symbols indicating operating methods mean that it is possible to avoid serious injury and death.

These symbols indicating how to operate mean that it is possible to avoid damage to property and equipment.



Read the instruction manual



Keep this tool away from rain.



Warning Danger



If the power cable is damaged or cut, unplug in time.



Wear clothing protective



Wear safety glasses



Wear noise-canceling headphones



Wear non-slip boots



Turn off the machine during maintenance



Keep away from damp environments



Do not dirty



Keep away from fire



Do not use to blow clothes



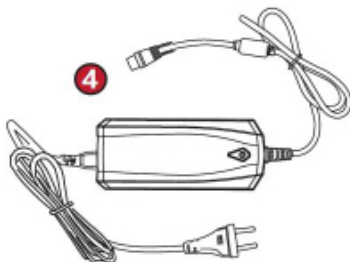
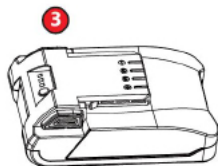
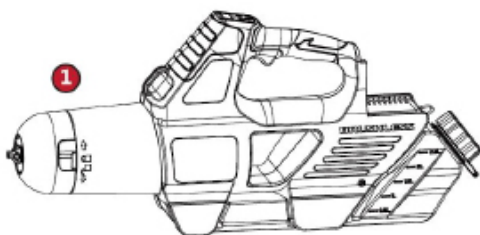
Do not put your hand in the air duct



Do not blow your hair

Parts list

1. Atomizer
2. Blower tube
3. Battery
4. Battery charger
5. Harness



Specifications

Model	BL 23-300
Maximum voltage	50.4V
Rated voltage	43.2V
Charger input voltage	AC110-220V
Battery charging time	2-2.5H
Battery operating time	MAX 70 min
Rated power	800 W
Maximum wind speed	70 M/S
Atomizer flow rate	300ml/minute
Operating temperature	-10°C -60°C

Safety specifications

Purpose of this tool: cleaning, removal of leaves, and cleaning of small-diameter sand and gravel. Suitable for road use.

Safety specifications for the use of the blower

- (1) The use of unmarked or unapproved batteries and chargers may cause fires or explosions. This may cause serious injury and property damage.
- (2) The use of the blower, batteries, and chargers beyond the design specifications will cause serious or fatal injuries and damage to property.

Battery instruction manual:

Refer to the battery and charger instruction manual included in the battery pack

Charger instruction manual:

Refer to the battery and charger instruction manual inside the battery packaging

Operator requirements

Warning!



It is forbidden to use the blower, battery, and charger without first reading and understanding the contents of this manual. Failure to comply with this rule could cause serious injury or death to the user or others.

Read the instruction manual, make sure you understand it, and keep it for future reference.



Read the instructions, make sure you understand them, and keep them for future reference.

Ensure that users fully meet the following requirements:

1. When the user uses the battery and charger, they must ensure that their physical and mental conditions are normal and suitable for using the tool. If the user has any of the above limitations, please use it in the presence of a supervisor or person in charge.
2. The user must be an adult
3. When the user uses the equipment for the first time, they must ensure they have understood the dealer's instructions or professional operating instructions before use.
4. Users must not operate the tool if they have consumed alcohol, drugs, or narcotic substances.

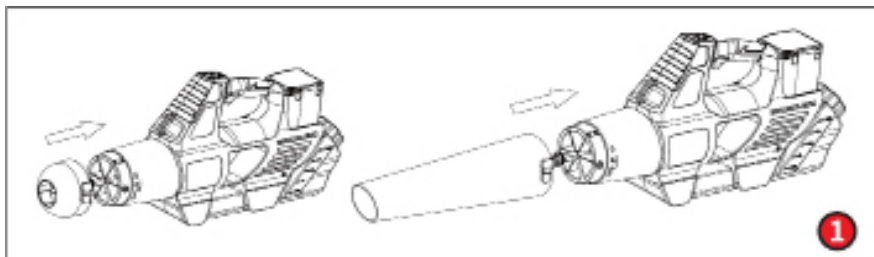
Perimeter safety requirements

1. No other personnel are allowed within 15 m around the blower operator. Falling objects or other flying objects may cause injury to nearby people. To reduce other property losses, keep away from cars, houses, and other easily damaged objects.
 - a. Keep bystanders, children, and animals away from the work area.
2. Please turn off the power switch when working near cables.
3. If the power tool is used in damp environments or on rainy days, please keep it dry after use.
4. Pay special attention to the following unstable conditions:
 - a. Wet, snow, icy ground, slope, uneven ground.
5. Do not work alone and maintain an effective distance from coworkers.

Installation and use of the machine

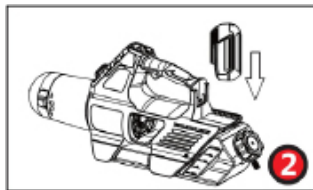
The blower tube is interchangeable with the atomizer tube

- a. Atomizer mode: insert the atomizer tube into the main body of the machine, rotate and secure it in the indicated direction
- b. Blower mode: insert the blower tube into the main body of the machine, rotate and secure it in the indicated direction.



2. Install the battery pack

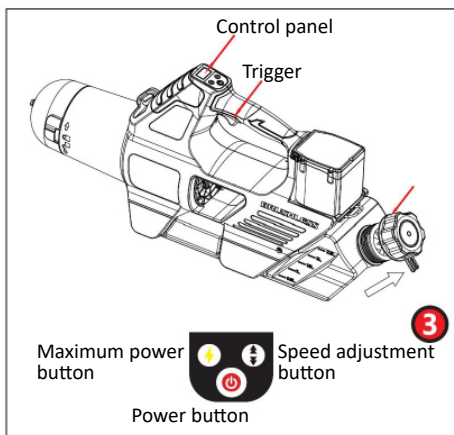
Insert the battery pack into the battery compartment in the direction indicated by the arrow.



3. Initial use

Blower mode:

1. Hold down the start button
2. Pull the trigger
3. Hold the trigger for 5 seconds. The machine will start in automatic mode
4. Press the +/- button to adjust the fan speed. For greater airflow, press the maximum power button. After 30 seconds, the machine automatically returns to the initial setting.
5. While the machine is running, press the trigger again and the fan will stop. Repeat the above procedure to restart the machine after a long pause.



Atomizer mode:

1. Open the cap in the direction indicated by the arrow to add water and disinfectant. Close the cap tightly
2. Hold down the start button
3. Pull the trigger
4. Hold the trigger for 5 seconds. The machine starts in automatic mode
5. Press the +/- button to adjust the fan speed. For greater airflow, press the maximum power button. After 30 seconds, the machine automatically returns to the initial setting.
6. While the machine is running, press the trigger again and the fan stops. Repeat the above procedure if you want to restart the machine after a long pause.

Initial inspection

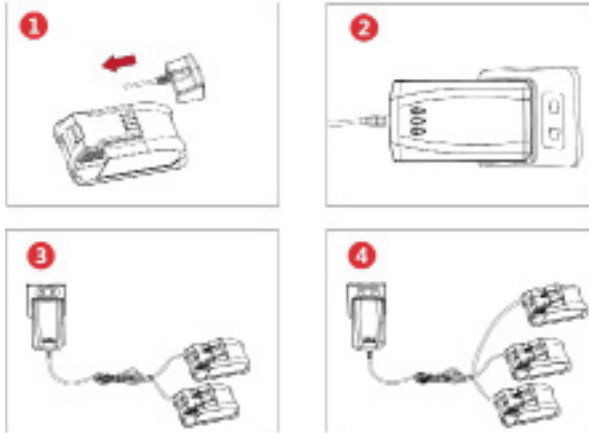
- 1) Make sure there are no children or other personnel within 15 meters of the work area and ensure there are no animals around.
- 2) Lift the battery pack
- 3) Press the start button to reactivate the machine
- 4) Press the lock button
- 5) Press the trigger
- 6) Press the up/down button to adjust the speed
- 7) After releasing the trigger, the machine stops and starts again. Repeat steps 3, 4, and 5. The battery pack and the entire machine must be reactivated after a long period of standby.

Precautions for battery use and maintenance

Battery charging

The battery of the new product is not fully charged. Place the charger on a flat surface, connect it to the power outlet as shown in Fig. 1, and plug the charger's plug into the power outlet. As soon as the indicator light turns on, the battery begins to charge. If the indicator light is red, it means the charger is charging, while when it is green, it indicates that the battery is charged and can be used.

Charging steps:



Precautions for battery and charger

1. During charging, it is normal for the charger and the battery to be warm.
2. If the battery is not used for a long period, to delay corrosion, it should be recharged once every three months.
3. New batteries or those not used for a long time require about 5 charge and discharge cycles to reach maximum capacity.
4. Do not use damaged battery packs and do not disassemble chargers and battery packs.
5. If the battery is put into fire, it will explode. Do not roast the battery pack.
6. Do not charge the battery in damp environments or outdoors.
7. With the gradual reduction of the battery charge, the decrease in capacity is a normal phenomenon.
8. Do not use the machine while charging.
9. Do not store the battery in a damp environment.



Each indicator light represents the charging status of a single port. The supplied charger has two or three USB ports, as shown in Figures 3 and 4.

General safety specifications for power tools



Read all warnings and instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury. Keep all warnings and instructions for easy reference. In the following warnings, the term "power tool" refers to a corded tool operated by a utility or a cordless tool operated by a battery.

(1) Workplace safety

- a. Keep the workplace clean and bright. Chaotic and dark places can cause accidents
- b. Do not operate power tools in explosive environments, such as flammable liquids, gases, or dust. Sparks generated by power tools can ignite dust or gas.
- c. Operate power tools only in the absence of children and bystanders. Inattention can cause the operator to lose control of the tool.

(2) Electrical safety

- a. The plug of power tools must match the outlet and must not be modified in any way. Power tools that must be grounded must not use any conversion plug. Unmodified plugs and matching outlets reduce the risk of electric shock.
- b. Avoid human contact with grounded surfaces, such as pipe fins and refrigerators. Ground contact will increase the risk of electric shocks.
- c. Do not expose power tools to rain or moisture. Water entering power tools will increase the risk of electric shock.
- d. Do not handle the wires. Never use cables to carry or pull power tools or to unplug them. Keep wires away from oil, heat sources, sharp edges, or moving parts. Damaged or entangled cables increase the risk of electric shocks.
- e. When using power tools outdoors, it is necessary to use external flexible cables suitable for outdoor use, which reduce the risk of electric shock. Flexible cables will reduce the risk of electric shocks.
- f. If it is unavoidable to use power tools in damp environments, it is necessary to use a residual current device (RCD), which helps reduce the risk of electric shock.

(3) Personal safety

- a. Be careful, pay attention to the operation being performed, and stay alert while operating power tools. Do not operate power tools when you are tired or under the influence of drugs, alcohol, or medication. When using power tools, momentary negligence can cause serious personal injury.
- b. Use personal protective equipment, always wear goggles and safety devices. The use of dust masks, non-slip safety shoes, helmets, hearing protection, and other devices under appropriate conditions can reduce personal injuries.
- c. To avoid accidental start-up, when connecting the power supply or battery box, when lifting or handling the tools, make sure the switch is in the off position; putting your finger on the switch or plugging in when the switch is on can be dangerous.
- d. Before turning on the tool, remove all adjustment keys or wrenches. A key or wrench left on the rotating parts of the power tool can cause personal injury.
- e. Do not overreach, always pay attention to support and body balance, so that you can properly control power tools in case of unforeseen events.
- f. Dress appropriately. Do not wear loose clothing or accessories. Wear gloves and keep hair away from moving parts. Loose glasses or long hair can get caught in moving parts.
- g. If a device is provided for connection with the tool for chip removal and dust collection, make sure they are well connected. And that it is used correctly. The use of these devices can reduce risks caused by dust.

(4) Use and precautions for power tools

- a. Do not play with power tools. Proper selection of power tools, proper design of power tools will make your work more effective and safer.
- b. If the switch does not turn on or off, the power tool cannot be used. Power tools that cannot be controlled by switches are dangerous and must be repaired.
- c. Before any adjustment, accessory replacement, or storage of power tools, the plug must be removed from the power supply and the battery box must be disconnected from the tool. This preventive measure will reduce the risk of accidental start-up of the tool.
- d. Store unused power tools out of the reach of children and do not allow them to be used by people who are not familiar with power tools or who do not understand these instructions for use. Use by untrained users is dangerous.

After-sales service

If you have any questions during use, please contact us in time. We have professional staff ready to answer questions and solve problems, and maintenance personnel who use the same spare parts, thus maintaining the necessary safety standards.

Declaration

The company reserves the right to make technical improvements to the product described herein.

Note if there are any changes. In case of discrepancies between the graphic images and the texts, and the actual objects contained therein, the latter shall apply.

Warranty conditions

- Our company guarantees the proper and good functioning of all agricultural and industrial machines we market for a period of 24 months (12 months for professional use) from the time of sale. For the purposes of the product warranty validity period, the sales receipt and/or the purchase invoice of the product itself shall be considered valid.
- This warranty consists in the free replacement of various mechanical and electrical components that become unusable due to manufacturing or material defects, ascertained by our Company.
- The technical staff will intervene as soon as possible, within the time limits allowed by organizational needs, to properly restore the product.
- The warranty is limited to the pure and simple replacement of defective and/or faulty parts after they have been received by us within two months from the date the defect was discovered.
- Except for original and/or manufacturing defects, all parts whose wear is due to normal use are excluded from the warranty. These, for example, are: cutting discs, cutting sections, circular saws, knives, milling cutters, chain saws, chainsaw bars, spark plugs, etc.
- All components recognized by us as defective and replaced free of charge under warranty will be retained by us.
- Any free replacement of components, even if recognized by us as defective, will not, under any circumstances, be a reason or pretext to extend or suspend the payment terms previously agreed upon.
- Throughout the entire warranty period, machines covered by the aforementioned warranty may not be permanently transferred for use, resold, or exported, under penalty of forfeiture of the warranty itself.
- Our Company declines all responsibility for damage to persons or property resulting from improper use of the machines we manufacture, even if such damage is caused by machines still covered by warranty.
- The warranty does not cover tuning and maintenance interventions that may be required during the warranty period.
- The warranty excludes product update and/or improvement interventions. The warranty becomes void in case of:
 - clear lack of maintenance;
 - improper use of the product or tampering;
 - use of unsuitable lubricants or fuels;
 - use of non-original spare parts or accessories;
 - work carried out by unauthorized personnel.
- For engines of other brands (Kawasaki, Honda, Briggs & Stratton, etc.) mounted on our machines, the warranty granted by the engine manufacturers applies.

EC DECLARATION OF CONFORMITY - HERSTELLERERKLÄRUNG-DECLARATION 'CE' DE CONFORMITE - DECLARACION DE CONFORMIDAD - DICHIARAZIONE DI CONFORMITA' EUROPEA - GELUKVORMIGHEIDSVERKLARING - 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 – PRODUCTENT:
Blue Bird Industries Fabbrica Motori SRL
Via Due Camini 19, 36010 (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 MASKINERIEET – ΠΕΡΙΓΡΑΦΗ ΤΩΝ ΜΗΧΑΝΩΝ – OPIS MASZYN:
SOFFIATORE/SPRAYER A BATTERIA – CORDLESS SPRAY BLOWER

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

b) TYPE / TYP / TYPE / TIPO / TIPO / TYPE / TYPE / TIPO / MALLI / TYPBE / TYPE / ΤΥΠΟΣ / TYP:
BS 22-400

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)
BS 22-400	89 / 97

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

EN 62841-1:2015/A11:2022
EN 50580:2012/A1:2013

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/UE 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.
ZANÉ' (VI) – ITALIA 27-04-2023
The chairman – Der vorsitzender – Le président – El presidente – Il presidente – De voorzitter – Daglig leder – O presidente – Toimitusjohtaja – Verkställande direktör – Administrerende direktør – Ο ΠΡΟΕΔΡΟΣ – 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
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(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

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VANDA VITELLA



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