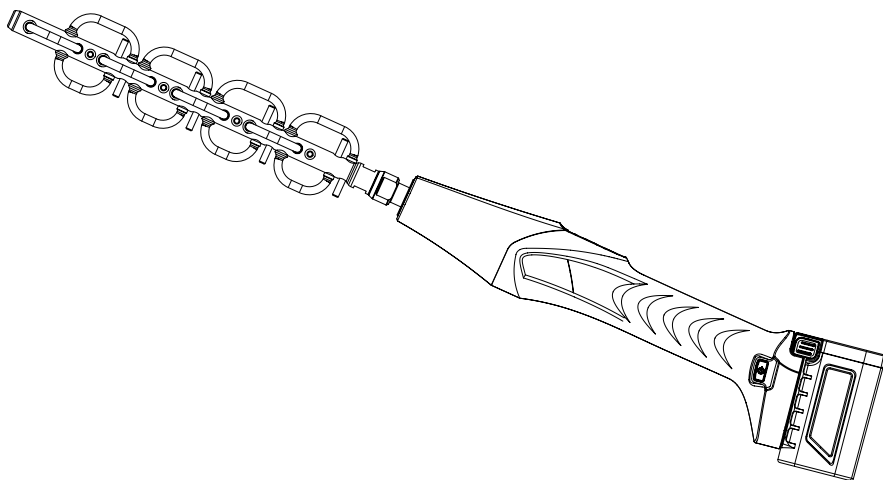




**BLUEBIRD
INDUSTRIES**

Battery blossom thinning machine

FT 22-35



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.

Environmental protection instructions

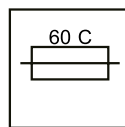
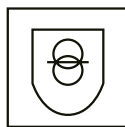
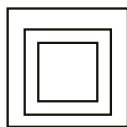
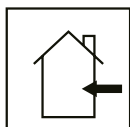


Please comply with the relevant national laws and regulations on waste disposal. Electronic and electrical appliances should not be treated as domestic waste. Equipment, accessories and packaging shall be recyclable.



It is forbidden to discard the machine at will.

Product overview



● Explain

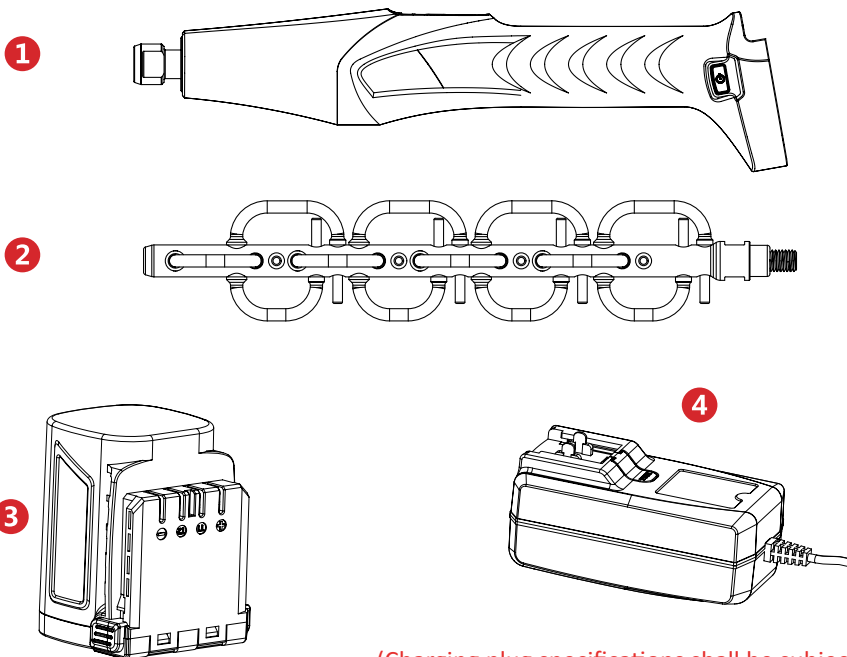
1. Please read the manual carefully.
2. It can only be charged indoors.
3. Double insulation without grounding.
4. Fail safe transformer.
5. When the charger overheats, it will cut off power automatically.

Performance description

This product is a battery-driven electric blossom thinning machine, which composes of pivoting lever, driving body, lithium battery, charger and other parts. It is mainly used to remove redundant branches during the florescence of fruit trees. It is simple and convenient to use, which is 5 times of the efficiency of traditional manual thinning scissors, and the thinning quality is obviously greater than that of traditional manual thinning scissors.

Packing list

1. Main body of blossom thinning machine
2. Pivoting lever
3. Battery pack
4. Charging tools



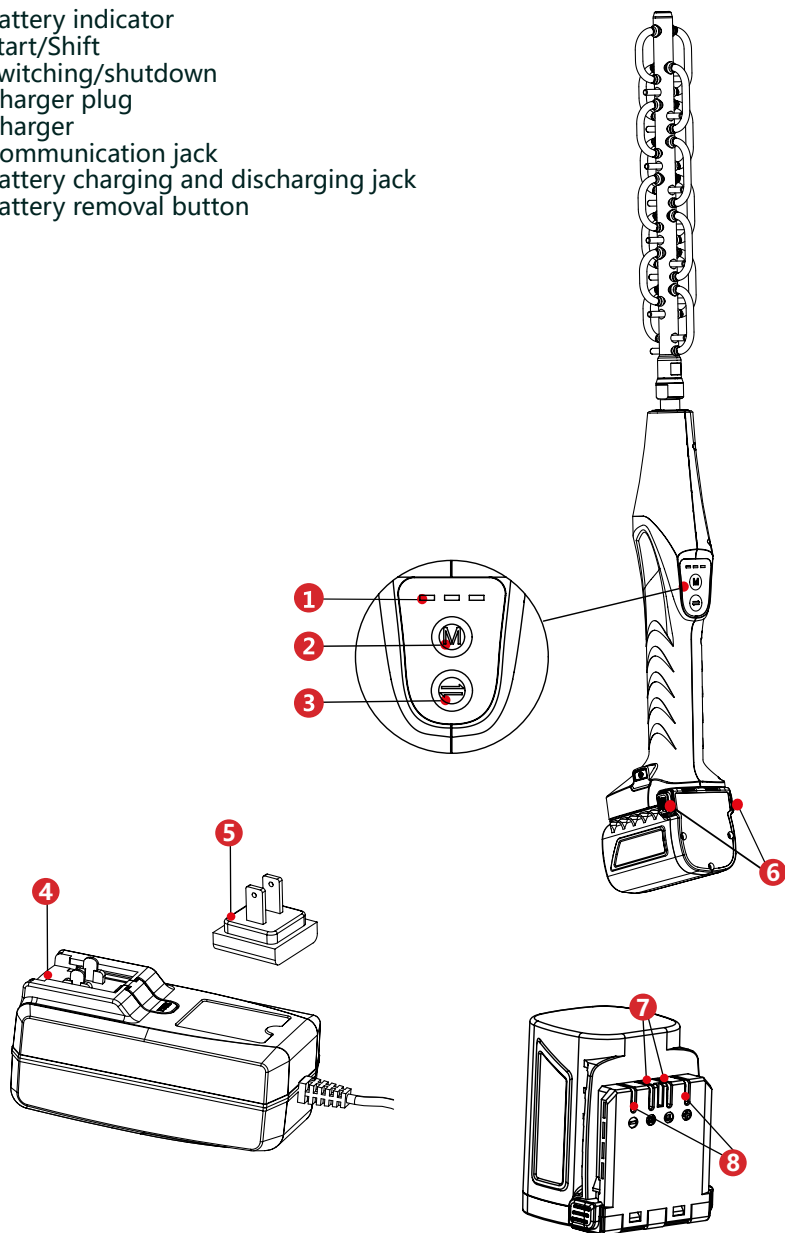
(Charging plug specifications shall be subject to actual configuration)



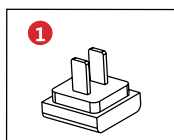
Note: This charger will be equipped with one charger for two or three according to the product model you purchased

Names and schematic diagrams of each part

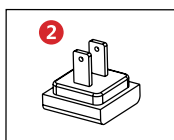
1. Battery indicator
2. Start/Shift
3. Switching/shutdown
4. Charger plug
5. Charger
6. Communication jack
7. Battery charging and discharging jack
8. Battery removal button



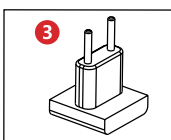
● Universal charger - plug display



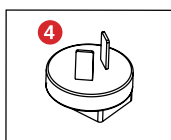
Chinese rules



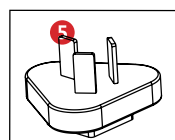
American / Japanese rules



European / Korean rules



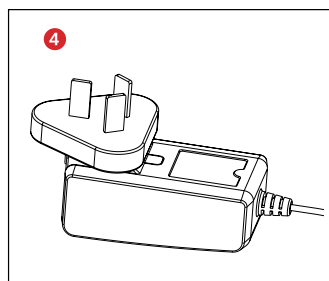
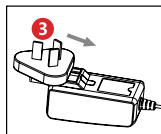
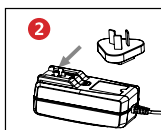
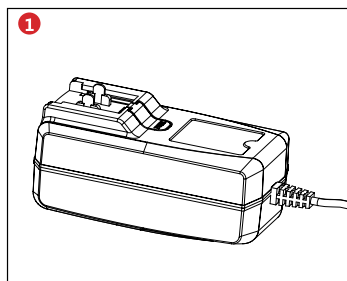
Australian rules



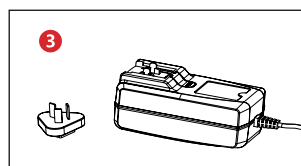
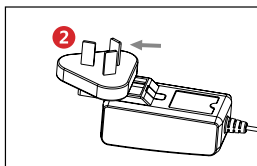
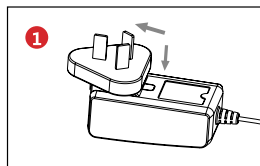
British rules

● Disassembly and assembly of charger head

Push the charging head parallel to the charger interface to complete the installation.



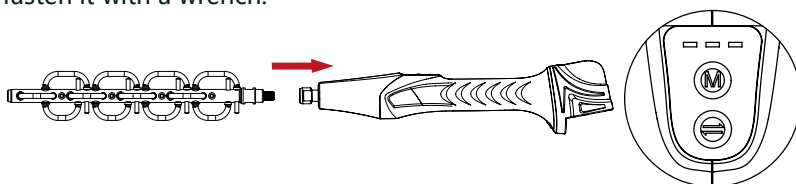
As shown in Figure 1, press and hold the remove button, and push the charger plug out at the same time.



Specification Parameters	
Product model	FT 22-35
Structure type	Electric hand-held
Battery type	Lithium battery
Battery rated voltage	14.4V
Battery max voltage	16.8V
Rated capacity of battery	2.5 Ah
Rated power	75W
Rating speed	2200RPM
Weight	280g

● Operation Instructions

1. Open the package, take out the main body of the blossom thinning machine and the pivoting lever, screw the lever into the main body, and fasten it with a wrench.



2. Take out the battery, insert it into the machine, press the power button on the side of the machine body, and after hearing the "deep" sound, the power supply of the machine has been turned on.
3. At this time, you can observe the indicator light of the operation panel above the handle, and the number of lighting grids represents the battery power: Three lights are on: high power;
Two lights are on: medium power;
One light is on: low power;
4. Press the "M" key and the pivoting lever starts to rotate; Continue to press the "M" key to switch gears, and a total of 4 speed gears can be adjusted.
5. Press the "↺" key for a short time to control the rotation direction of the pivoting lever, and press the "↻" key for a long time to stop the rotation of the pivoting lever.

● After using

1. Press the “” key for a long time, and the pivoting lever stops working, and then press the power button for a long time to turn off the power supply.
2. Turn off the power and remove the battery pack.



If there is any fault, please deal with it according to the prompt code.

E Code Alarm Description Handling Method

When using this product, if you encounter the following errors, they can be repaired or handled according to the corresponding fault prompt

E Code Alarm Description Handling Method			
Alarm content	Number of LED lights flashing	Frequency of buzzer	Treatment method
Current sensor error	2	6	Return to factory for overhaul
MOS tube damage	3	6	Return to factory for overhaul
Peak overcurrent/average current protection	5	5	Transient current is too large, please do not knock for use
To block/turn blocking	6	3	The branches are too thick
Motor in no-phase	7	4	Check whether the motor phase terminal screws are in good contact
Under-voltage/over-voltage	8	1	The battery needs to be charged or the original battery is used
MOS/chip over-temperature	9	6	Let the tool cool before working
Communication malfunction	10	2	Check whether the check panel is in good contact with the main controller plug
Controller failure	11	6	Return to factory for overhaul
Phase detection failure	12	4	Check whether the motor phase terminal screws are in good contact
Controller failure	13	6	Return to factory for overhaul

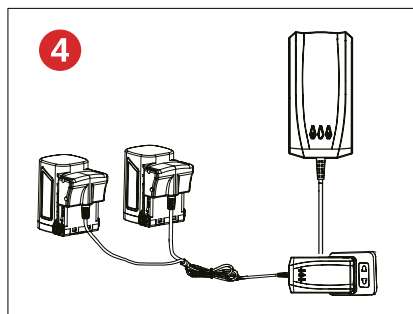
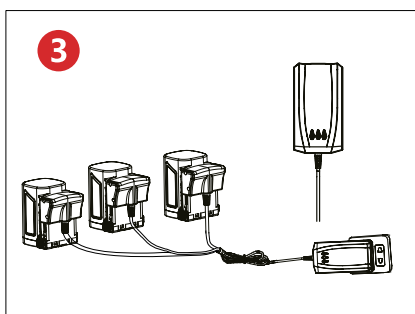
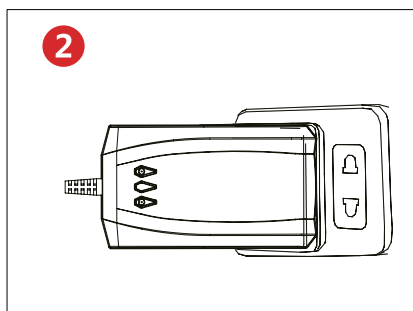
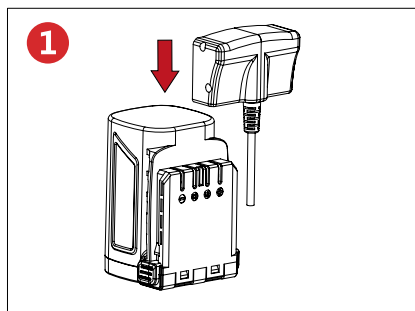


Note for battery use and maintenance

Battery charging

The battery of the new product is not fully charged. Put the charger flat on the table and insert the battery into the charging slot, as shown in Figure 1. Then insert the power plug of the charger into the power socket. When the indicator is red, it indicates that charging begins. The charger indicator is red, indicating that the charger is charging. The charger indicator lights are all green, and the charging operation is completed.

Charging steps:



Note: Each indicator light represents the charging status of different charging heads. The charger has the capability to charge two or three batteries, as shown in Figure 3-4. The charger is equipped with two or three plugs according to the product model you purchased.

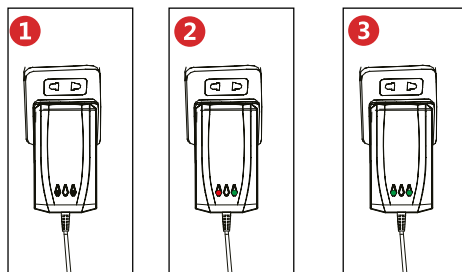


According to the charger equipped to charge, each charging head, there is a corresponding indicator. (whether the charger is charged individually or through multiple interfaces, please judge whether the charging is completed according to the corresponding indicator light on the charger. The charger is charged in turn, not at the same time.)

Note: when the battery is not connected, the indicator light is green.

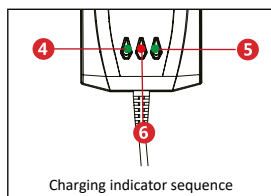
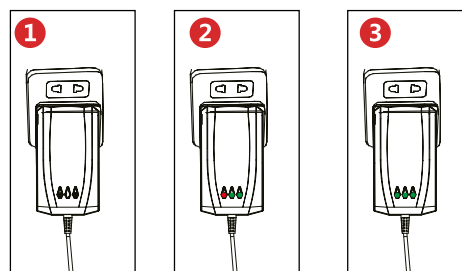
One charging two: as shown in the figure

1. Not charged
2. Charging in progress
3. Charging completed



One charging three: as shown in the figure

1. Not charged
2. Charging in progress
3. Charging completed



Note: when two or three batteries are connected, the charger charges in order of 1-2-3. The indicator light is red when charging and turns green when fully charged. After the current battery is fully charged, it will jump to the next battery according to the above.

● Precautions for battery maintenance

1. Do not charge in an environment below 0°C and above 45°C, which may damage the battery and the charger.
2. Please turn off the switch before connecting the battery. If the switch is on, accidental connection of the battery to the machine is likely to occur.
3. Charge the battery only with the charger designated by the manufacturer. The use of other chargers may lead to fire and other dangers.
4. When the battery is not in use, keep it away from small metal objects such as paper clips, coins, keys, nails and screws that will lead to short circuit, for short circuit may lead to burns or fire.
5. Do neither disassemble nor reassemble the battery.
6. Do not use batteries with short circuit.
7. Do not use the battery near any heat source.
8. Do not put the battery into fire or water.
9. Do not charge near fire or sunlight.
10. Do not insert any nail into the battery and hit or throw the battery with a hammer or foot.
11. Do not use batteries that are severely damaged or deformed.
12. Do not weld directly on the battery.
13. Reverse charging, reverse-pole connection and over-discharge of the battery is not permitted.
14. Do not connect the battery to power sockets or car cigarette lighter socket.
15. Do not use it on non-designated devices.
16. Direct contact with lithium battery is prohibited.
17. Do not place the battery in containers with high temperature and high pressure such as a microwave oven.
18. Do not use any leaky battery.
19. Keep the battery away from children's reach.
20. Do not use or place the battery under the sun (or direct sunlight), otherwise it may cause the battery to overheat and catch fire, which will result in functional failure and shortened life.
21. Do not use the battery in places with static electricity (> 64V).
22. In case of any corrosion, bad smell or abnormality when the battery is first used, please do not use it and return it to the sales outlet.
23. If skin or clothes are stained with electrolyte from the battery, please rinse with clean water.
24. If the electric pruning shears are not used for a long time, the battery needs to be charged for storage.

● Product operation and maintenance

Instructions before use:

1. Please confirm the battery pack charge before use.
2. Ensure that the power supply of the machine is disconnected when the machine is not in use. In particular, keep in mind that before replacing the grommet and pivoting lever, the power must be disconnected to prevent injury to the body.
3. Check whether the pivoting lever is tightened before use.

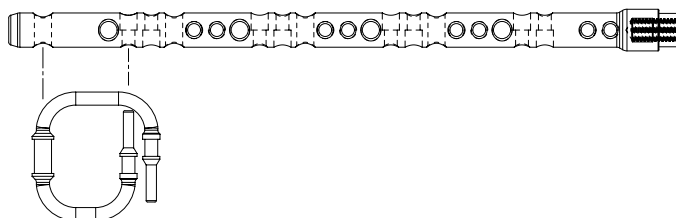


Replace the grommet

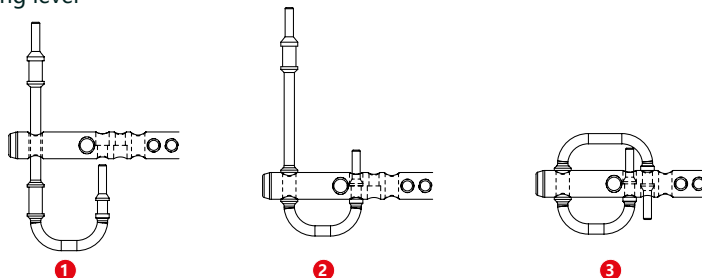
Machine must be disconnected before operation.

When it is found that the grommet is broken and worn seriously, it is recommended to replace the grommet

1. Turn off the power and remove the battery pack. Take out the damaged grommet
2. Align the pivoting lever with the grommet in the direction shown in the figure



3. Pass the grommet into the corresponding hole of the pivoting lever in the order shown in the figure, and pay attention to the step orientation in the hole of the pivoting lever



● Precautions for operation and maintenance

1. Do not hit the pivoting lever into hard objects such as stone and trunk when the machine is running.
2. Keep the equipment clean. Clean the machine, battery pack and charger with a clean cloth (do not use corrosive or solvent-based cleaner), and use a soft brush or dry cloth to clean the dust on the pivoting lever.
3. Do not soak machines, battery packs and chargers in any liquid such as water.

4. Please use the equipment according to the instructions. Do not use the electric blossom thinning machine, battery pack and charger when they are damaged.
5. Ensure that the switch is closed when making any adjustment, replacing accessories or storing the machine. This protective measure will reduce the risk of accidental start-up of the machine.
6. Please store the idle electric blossom thinning machine outside the reach of children when the power is off.
7. When using the electric blossom thinning machine and accessories, observe the instructions and methods of use, consider the working environment and the work to be completed, and use the tools for operation that does not meet the requirements may lead to danger.
8. After use, dirt and resin should be removed from the grommet of the pivoting lever to prolong the service life of the grommet.

Safety Precautions



Please read all instructions carefully. Failure to follow all instructions below may result in electric shock, fire or other serious injury!

● Workplace safety instructions

1. Keep the workplace clean and bright. Chaotic and dark workplaces may cause problems.
2. Do not operate with the machine in explosive, flammable and humid environment.
3. Let the children and bystanders leave before normal operation of the machine, so as to avoid distraction in the operation and cause accidental injury.

● Electrical Safety Instructions

1. The battery socket must match the battery connector. Do not modify the socket and plug in any way.
2. Do not expose the machine to rain or moisture. Water or other liquids entering it may increase the risk of electric shock and damage to the device.
3. Do not misuse wires; do not use the power cord to lift, pull the shears or pull out its plug; keep the shears away from heat, oil, sharp edges or moving parts; do not use the charger when the power cord or plug is damaged. Damaged and entangled wires can increase the risk of electric shock.

● Personal Safety Instructions

1. Be alert, pay attention to the operation and keep awake when operating the shears. Do not operate them under fatigue, medication and alcohol reaction. Distraction during operation may cause serious personal injury.
2. Use safety guards and always wear goggles, etc. Under appropriate conditions, dust masks, non-slip safety shoes, helmets, hearing protection, etc. can reduce personal injury.
3. Remove all adjustment keys and wrenches before turning on the shears. Any wrench or key left on the rotating parts of the shears can cause personal injury.
4. When operating, do not stretch your hands too long, keep your hands away from the work area, never extend your hands under the material for any reason, ensure that any material or surface under the operating area is not damaged, and always pay attention to the balance between the feet and the body to better control the shears in case of any accident.
5. Dress properly, do not wear loose clothes or ornaments and keep your hair, clothes and sleeves away from moving parts, for loose clothes, ornaments or long hair may get caught in moving parts.

● Exceptions and Treating Methods

1. If the battery can't be charged properly, first check whether the battery charger is the one attached to the product. Then, ensure the charging voltage must be the same with that on the nameplate.
2. If any electrical or mechanical fault occurs, please turn off the switch immediately.
3. Failure to operate in compliance with the instructions may lead to liquid eruption from the battery. Please do not touch the liquid. In case of accidental contact, please rinse it immediately with water. If the liquid splashes into the eye, after rinsing with water, please go to the hospital, for the liquid ejected from the battery may cause irritation or burns.

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

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 - GELUKVORMIGHEIDSVERKLARING - EC DEKLARATION I ÖVERENSSTÄMMELSE - DECLARAÇÃO CE DE CONFORMIDADE - EY ILMOITUS - FORSAKRAN OM ÖVERENSSTÄMMELSE - BEKREFTENDE EU ERKLÆRING - ΔΗΛΩΣΗ ΕΚ ΣΥΜΜΟΡΦΩΣΗΣ - EUROPEJSKA DEKLARACJA ZGODNOSCI

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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:

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

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

FT 22-35

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

EN62841-1:2015/A11:2022
EN ISO 12100:2010

e) Il caricabatterie (mod. KH24-1261900-B) è stato fabbricato e distribuito in conformità con le seguenti direttive: 2014/35/EU, 2014/30/UE e 2011/65/UE
The charger (mod. KH24-1261900-B) 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. KH24-1261900-B) wurde gemäß den folgenden Richtlinien hergestellt und vertrieben: 2014/35/EU, 2014/30/UE e 2011/65/UE
Le chargeur (mod. KH24-1261900-B) a été fabriqué et distribué conformément aux directives suivantes: 2014/35/EU, 2014/30/UE e 2011/65/UE
El cargador (mod. KH24-1261900-B) 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 12-09-2024

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(FI) Teknisten asiakirjojen ylläpitäjä
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