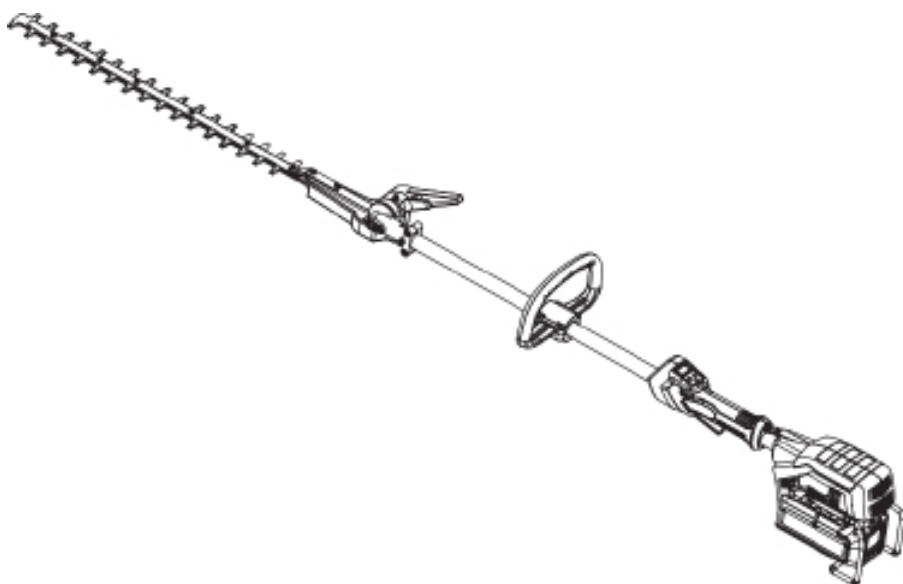




**BLUEBIRD
INDUSTRIES**

Battery-powered pole hedge trimmer

PHT 23-54



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 still show excellent reliability 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 safety warnings and 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

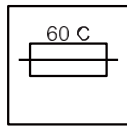
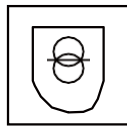
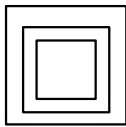
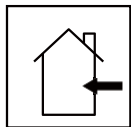


Please comply with national laws and regulations regarding waste disposal. Electronic and electrical tools must not be treated as household waste. The equipment, accessories, and packaging must be recyclable.



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

Pictograms



• Explanation

1. Please read the manual carefully.
2. It can only be charged indoors.
3. Double insulation without grounding.
4. Fault-proof transformer.
5. When the charger overheats, it will automatically cut off the power supply.
6. Do not dispose of the product with household waste.

• Description of symbols



Read the instruction manual



Keep away from rain



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



Warning/danger



Wear protective glasses



Wear protective clothing



Wear hearing protection



Wear non-slip boots

• Specifications

Model	PHT 23-54
Maximum voltage	50,4V
Rated voltage	43,2V
Power	800 W
Weight	5,7Kg
Blade length	600 mm
Cutting diameter	28 mm
Noise	95 dB

- **Parts list:**
 1. A copy of the operating instructions
 2. Support tools
 3. Pole hedge trimmer

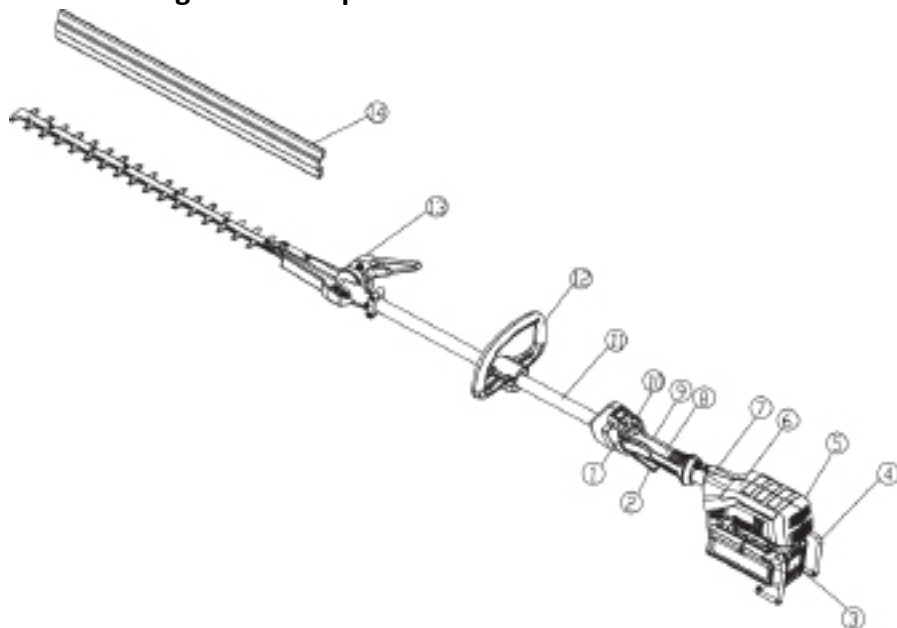


Product overview

The advantages of this machine are its light weight, convenient movement, low noise, energy saving and environmental protection, long operating hours, etc. It is suitable for many workplaces such as gardens, urban green areas, and tea gardens.

Note: if you use the pole hedge trimmer in difficult conditions, such as at ambient temperatures above 25°C or for several hours, it is necessary to lubricate the gearbox and the blades every 2 hours. For the gearbox, a special lubricating oil is recommended, while for the blades, a light oil should be used.

Name and diagram of components



1. Safety button
2. Trigger
3. Battery
4. Battery protection
5. Right cover
6. Left cover
7. Throttle cable

8. Left handle shell
9. Right handle shell
10. Control panel
11. Aluminum rod
12. Anti-vibration handle
13. Cutting apparatus
14. Blade cover

- The manufacturer reserves the right to change specifications without notice
- Specifications and batteries may vary from country to country



Precautions before use

1. The blade must always be sharp to maintain a good cutting effect.
2. When using the machine with sufficient light and clear visibility, pay attention to whether the ground is wet or not. Only when you have a secure foothold can you perform your work. Do not stand in an unstable work area and be careful to keep your balance at all times.
3. Keep all parts of your body away from the cutting blade. Do not remove the cut material or bring it to be cut while the blade is moving. Make sure the battery pack has been removed before cleaning the hedge trimmer. Improper operation can cause serious personal injury.
4. Always hold the device with both hands to ensure it is within your control range.
5. Do not use the device for a long time and rest for 10/20 minutes after every 30 minutes.
6. If the machine encounters stones or other hard objects during cutting, immediately turn off the power and check if the blades/teeth are damaged. In case of damage, please grind or replace the damaged blade before resuming work.
7. When using the machine, do not cut hard objects to prevent the blades from cracking.
8. In case of excessive vibrations during operation, turn off the power and check if the blades and fasteners are loose.

Read and understand this instruction manual before using the device.



Always wear gloves and protective suits when using this product. If the cutting blade is blocked, immediately turn off the power. After making sure that all moving parts have stopped, turn off the power and check if the equipment is damaged; damaged devices must not be used.



Instructions for safe use

I. Pre-use inspection:

1. Check that all mechanical parts are not damaged.
2. Check if there are any loose screws. If so, tighten them before use.
3. Check that there are no other items on the blade and that it can move smoothly; if there is no lubricant oil on the blade, add low-viscosity lubricant oil.
4. Check if the air inlet and outlet are blocked by foreign objects and use them after cleaning.

II. Operating guidelines

- 1: Insert the battery pack and check that it is properly installed
- 2: Press the power button to turn on the device.
- 3: Press the speed adjustment button to select the appropriate gear
- 4: Press the lower button to adjust the rotation
- 5: Press the upper trigger to start the machine
- 6: The machine starts to operate
- 7: Releasing the trigger stops the machine, pressing it again resumes operation
- 8: If the hedge trimmer has not been used for a long time, it will automatically turn off and you will need to repeat steps 1 to 6 to use it again
- 9: Shutdown: Press the power button to turn off the device

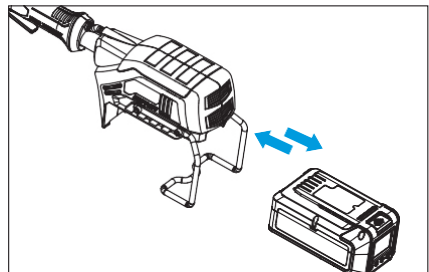
III. Battery insertion and removal

Insertion:

- 1: Align the battery pack with the sliding guides
- 2: Push the battery pack in parallel and lock the battery in place when you hear a click

Removal:

- 1: Press the battery release button
- 2: The battery is released
- 3: Pull the battery pack towards you



V. Fault protection recovery:

This machine is equipped with a perfect overcurrent and overtemperature protection circuit, which increases the lifespan of this machine.

1. In the event of a sudden overload during use, the overcurrent protection circuit immediately stops the operation of the machine to prevent the hedge trimmer from being damaged.
2. General fault: release the front and rear triggers and press the trigger twice to resume use; in case of unrecoverable conditions, remove the battery and reinstall it, then perform the startup phase.

VI. Precautions for use

1. During use, the blade must not come into contact with hard objects such as metal and stone, otherwise it may easily lead to negative consequences such as chipping and cracking of the blade.
2. This tool should avoid working at high altitudes to ensure safety.
3. Do not use this tool to cut branches with a diameter greater than 25 mm.
4. If the hedge trimmer is not used for a long time, press the battery pack start switch and unplug the power supply to prevent use by children or people unfamiliar with the machine.
5. Place the blade guard over the blade and store it in a dry and safe place.



Cutting blade adjustment



If the blade is too tight, it will cause an overload, which could damage the equipment. Adjust the cutting blade, install the screws, and loosen the nuts.

Tighten the screws and then loosen them by 1/2 or 1/4 turn.

Coat the cutting blade with light oil. Turn on the machine and run the hedge trimmer at full speed for at least one minute. Turn off the power and when the machine comes to a complete stop, touch the blade by hand; it should be warm. However, if it feels too hot, loosen the screw by another turn.

If the bolt is tightened too much, the blade may not work. You need to reduce the tightness of the bolts. The nuts with fixed blades are made of special materials, so please do not replace them with other nuts. Once the blade is damaged, please replace it with a new one. When the bolts and washers are worn or damaged, please replace them.

After the bolts are worn, the space between the screws and the blades will become larger. The vibration of the blade will increase accordingly. When the space between the blades is greater than 1.5 MM, replace the screws and washers.

The adjustment method described below can only be performed by technicians designated by our company. Open the gear box, turn the drive gear by hand, and check if the rotation between the drive gear, the shaft, and the connecting rod is well coordinated. If rotation is missing, or if it is difficult, it means the screws are too tight. Then adjust the screws one by one from the bolts at the end of the blade. In other words, you can manually turn the drive gear to check its adjustment status. Our company has already had a thin layer of engine oil applied to the blades before shipping. However, for reasons of storage, transport, or otherwise, the customer must apply engine oil to the blade before using the hedge trimmer. Once the adjustment is complete, test the hedge trimmer to check if the blade is in good condition.

Common errors and troubleshooting methods:

No.	Faults	Alternative solution
Do not restart	Confirm if the power is sufficient	Accessories for electricity
	The battery is in position	Reinstall the battery
	The battery is the corresponding battery from our company	Replace or purchase our battery
Clamping knife	Blade edge wear	Sharpening of the cutting edge at a designated service point
	The distance between the upper and lower blade is too large	Blade edge of the designated service point replacement blade
The cutting capacity decreases	Blade edge wear	Sharpening of the cutting edge at a designated service point
	The distance between the upper and lower blade is too large	Blade edge of the designated service point replacement blade
Abnormal noise/sound	Gap between the blades is too large	Replace the blades at designated maintenance points
	Wear of parts in the gearbox	Designated service points to replace corresponding parts
Overheating	Check if the air inlet and outlet are blocked by foreign objects	Clean the air inlet and outlet
	Overload use	Use according to the methods indicated in the manual.



Safety precautions



Warning! Read all safety warnings, instructions, diagrams, and regulations provided with the power tools. Failure to follow all the following instructions may result in electric shock, fire, and/or serious injury!

- **Keep all warnings and instructions for reference**

The term "power tool" in the warning refers to the power tool operated by the power grid (corded) or the power tool operated by electricity.

- **Workplace safety**

1. Keep the workplace clean and well lit. Chaotic and dark places can cause accidents
2. 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.
3. Operate power tools only in the absence of children and bystanders. Inattention can cause the operator to lose control of the tool.

- **Personal safety**

1. 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.
2. 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 in appropriate conditions can reduce personal injury.
3. To avoid accidental starting, when connecting the power supply, the battery pack, or when lifting the tool by hand, make sure the switch is in the off position; putting your finger on the switch or inserting the plug when the switch is on can be dangerous.
4. 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.
5. Do not overreach, always pay attention to support and body balance, so that you can properly control power tools in case of unexpected events.
6. Dress appropriately. Do not wear loose clothing or accessories. Wear gloves and keep hair away from moving parts. Glasses or long hair can get caught in moving parts.
7. If a device is provided for connecting to the tool for chip removal and dust collection, make sure it is properly connected and used correctly. The use of these devices can reduce risks caused by dust.
8. Do not take it lightly due to familiarity caused by frequent use of the tools and ignore the safety rules of the tools. Careless action can cause serious injury in an instant.

- **Electrical safety**

1. The plug of power tools must match the socket. Never modify the plug in any way. Power tools that must be grounded cannot use any adapter plug. Power tools that must be grounded cannot use any adapter plug.
2. Avoid human contact with the ground, such as pipes, heat sinks, and refrigerators. Ground contact will increase the risk of electric shocks.
3. Do not expose power tools to rain or moisture. The entry of water into power tools increases the risk of electric shock.
4. Do not misuse the flexible cable and never use the flexible cable to carry, pull out the power tool, or unplug it. Keep the cable away from heat sources, oil, sharp edges, or moving parts. Damaged or twisted cables increase the risk of electric shock.
5. When using power tools outdoors, use extension cords suitable for outdoor use. Extension cords suitable for outdoor use reduce the risk of electric shock.
6. If it is impossible to avoid using power tools in damp environments, the power supply must be protected with a residual current device (RCD). The use of an RCD can reduce the risk of electric shock.

- **Use and precautions for battery-powered tools**

1. For charging, use only the charger specified by the manufacturer. There may be a risk of fire when a charger suitable for one battery pack is used with other battery packs.
2. Use only power tools equipped with special battery packs. The use of other batteries may cause injury and risk of fire.
3. When the battery pack is not in use, keep it away from other metal objects, such as paper clips, coins, keys, nails, and screws or other small metal objects, to prevent one end of the battery pack from connecting to the other end. A short circuit at the end of the battery pack can cause combustion or fire.
4. In case of improper use, the battery pack may leak liquid. Avoid contact. In case of accidental contact with the liquid, rinse with water. If the liquid comes into contact with the eyes, you should also consult a doctor. Battery fluid leakage can cause corrosion or burns.
5. Do not use damaged or deformed battery packs or tools. Damage to a modified battery pack can cause unpredictable results, leading to fires, explosions, or injuries.
6. Do not expose the battery pack to high temperatures. Exposure of the battery pack to fire or temperatures above 130°C can cause explosions.

- **Maintenance**

1. Professional maintenance personnel can use the same spare parts to repair power tools. This ensures the safety of the repaired power tool.
2. Never repair a damaged battery; the battery can only be repaired by the manufacturer or its authorized service provider.
3. For battery-powered tools:
 - a. Description of the charging temperature limits of the battery pack, use of the tool and battery pack, storage, and the recommended charging temperature range,
 - b. For battery-powered tools that use removable battery packs or split battery packs, instructions are available to specify the appropriate battery packs based on category number, serial number, or an equivalent number.
 - c. Specify the description of the appropriate charger by category number, serial number, or equivalent.



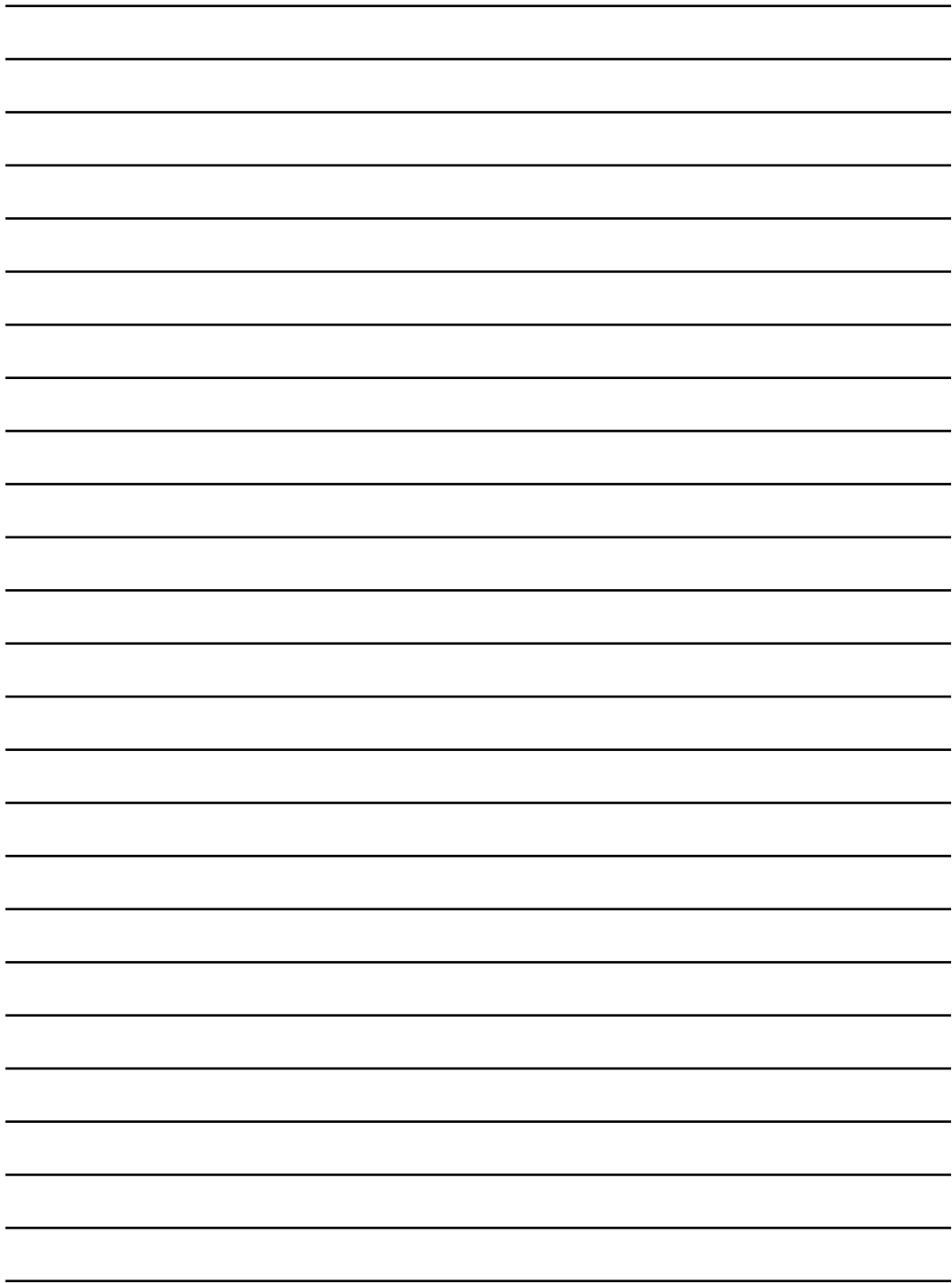
After-sales service

For any questions about the operating procedure, please contact us in a timely manner. 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 here. Note if there are any changes. In case of discrepancies between the graphic images and texts, and the actual objects contained herein, the latter shall apply.



EC DECLARATION OF CONFORMITY - HERSTELLERERKLARUNG - DECLARATION 'CE' DE CONFORMITE - DECLARACION DE CONFORMIDAD - DICHIARAZIONE DI CONFORMITA' EUROPEA - GELUKKFORMIGHEIDSVKRLARING - EC DECLARATION I OVERENSTEMMELSE - DECLARAÇÃO CE DE CONFORMIDADE - EY ILMOITUS - FORSAKRAN OM OVERENSTEMMELSE - 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 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 MASKINERIEΤ – ΠΕΡΙΓΡΑΦΗ ΤΩΝ ΜΗΧΑΝΩΝ – OPIS MASZYN:
TAGLIASIEPI A PALO A BATTERIA – CORDLESS POLE HEDGE TRIMMER

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 / TIPO / MALLI / TYPBE / TYPE / ΤΥΠΟΣ / TYP:
PHT 23-54

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)
PHT 23-54	88 / 99

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 62841-1:2015/A11:2022
EN 62841-4-2:2019

e) Il caricabatterie (mod. KOHAM-5041660) 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) 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) wurde gemäß den folgenden Richtlinien hergestellt und vertrieben: 2014/35/EU, 2014/30/UE e 2011/65/UE
Le chargeur (mod. KOHAM-5041660) a été fabriqué et distribué conformément aux directives suivantes: 2014/35/EU, 2014/30/UE e 2011/65/UE
El cargador (mod. KOHAM-5041660) 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 12-07-2023
The chairman – Der vorsitzender – Le président – El presidente – Il presidente – De voorzitter – Daglig leder – O presidente – Toimitusjohtaja – Verkställande direktör – Administrerende direktør – Ο ΓΓΠΟΕΛΠΟΣ – 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 vedlikeholdet av

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

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VANDA VITELLA



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