



**BLUEBIRD
INDUSTRIES**

Chipper Shredder

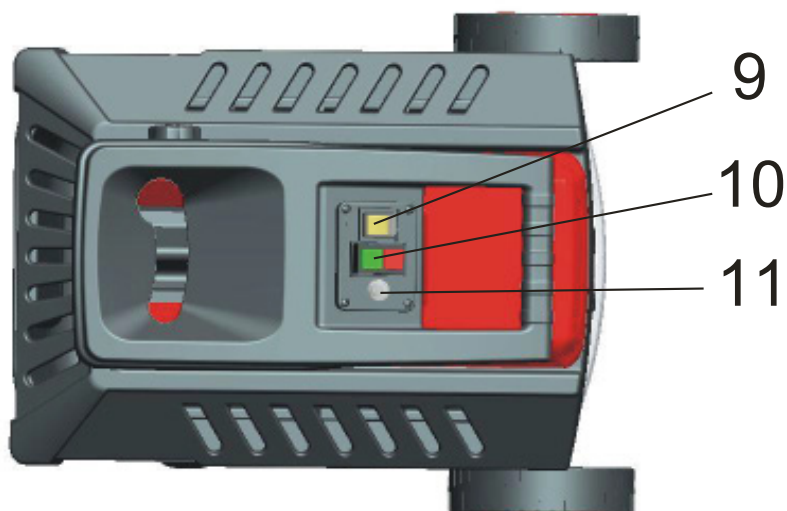
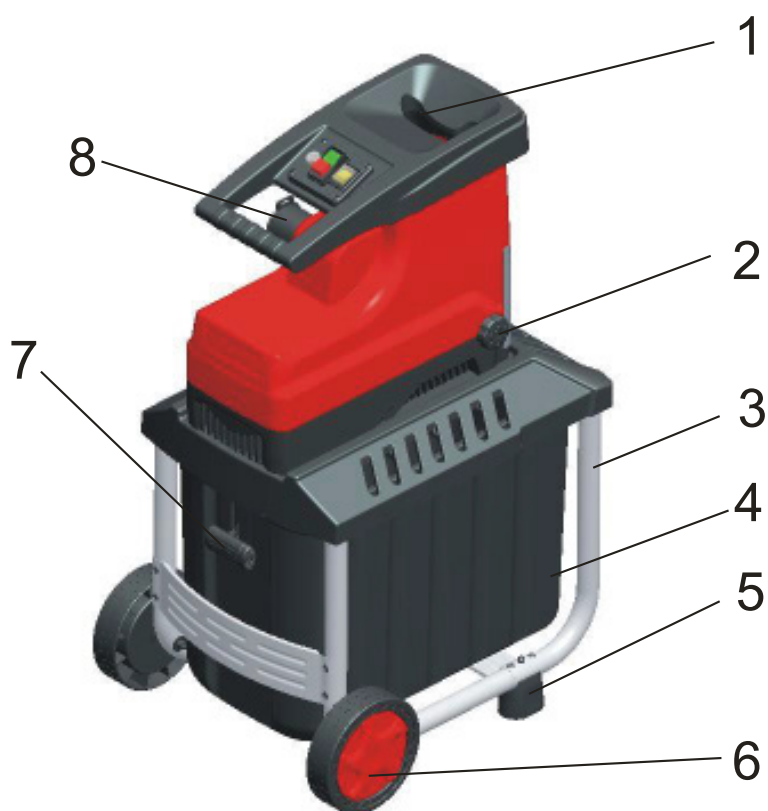
SH 2500



CAREFULLY READ THIS MANUAL BEFORE USING THE MACHINE

-translation of the original instructions-

1. Nomenclature



- 1. Hopper
- 2. Adjustment of the shredding plate
- 3. Support frame
- 4. Collection bag
- 5. Feet
- 6. Wheel

- 7. Lock button
- 8. Plug
- 9. Reverse button
- 10. On/off switch
- 11. Overcurrent protection device

2. Safety instructions

Warning! Please read first.

Warning! Please read and carefully follow the safety instructions

Warning! If the power cable is damaged, it must be replaced by the manufacturer, its service, or by qualified personnel in order to avoid a hazard

- Shredders are suitable only for domestic use.
 - Use only for shredding branches, twigs, and garden waste
 - The shredder must be properly assembled before being used
 - **Warning! This appliance must be grounded!**
 - Warning! Use only three-core extension cables with the earth wire connected.
 - Warning! The machine can only be used with a line with a rated current above 100A!
-
- Use only extension cords for outdoor use and check that they are in good condition before use.
 - Protect cables from damage due to heavy mechanical use, sharp edges, contact with moving parts, and corrosive liquids, etc.
 - Warning! Do not use a cable that shows signs of damage. Install a new complete cable - do not undertake any permanent or temporary repair. Have it replaced by a qualified technician.
 - Before inserting the plug into the power socket, make sure that the specifications match those indicated on the shredder's nameplate.
 - Never move the shredder by pulling the cables.
 - Always disconnect the machine from the power supply before transporting it to other locations
 - Always turn off the shredder before disconnecting any connector or plug and extension cables from the socket.
 - Never leave the shredder unattended while it is on
 - Before leaving the shredder, turn off the motor and unplug it. Do the same in case of a power outage.
 - Keep children and pets away. All bystanders must be kept at a safe distance from the shredder when it is in use.
 - Do not allow the shredder to be used by children or anyone who has not read this instruction sheet or is not familiar with the shredder.
 - The operator is responsible towards third parties while working with the shredder.
 - Use the shredder only for its intended purposes.
 - Warning! There are rotating blades on this machine.
 - Warning! The blades do not stop immediately after shutdown.

- Always turn off the shredder, unplug it, and wait for the cutting disc to stop before performing maintenance or cleaning.
- Use caution when cleaning or maintaining the shredder. **WATCH YOUR FINGERS! Wear gloves!**
- It is forbidden to move or modify any of the electrical and mechanical safety devices.
- The shredder must be level and stable during operation
- Do not tilt the machine while it is connected to the power supply.
- Do not use the machine on a paved surface or gravel where expelled material could cause injury.
- Use only in daylight or with good artificial lighting.
- Wear protective headphones and safety glasses at all times during machine operation
- Avoid wearing loose clothing or clothing with cords or laces
- The use of headphones is recommended.
- **Warning! The hopper must be fully assembled and tightened before use.**
- Do not put your hands into the feed funnel or the discharge slot.
- During operation, make sure that no foreign objects (stones, glass, metal, soil, plastics) are inserted into the shredder; these foreign objects could dull the blades and seriously damage the motor. Do not use the shredder for purposes other than its intended use.
- If the shredder starts to vibrate abnormally, turn off the motor and investigate the cause immediately. Vibration is generally a sign of problems.
- Wait for the machine to cool down before proceeding with inspections, adjustments, storage, etc.
- Make sure the blades are securely fastened before use. Do not operate the shredder if any of the blades are not mounted correctly.
- The shredder must be thoroughly checked before use. You should only work with a shredder in good condition. Check that all screws, nuts, bolts, and other fasteners are securely tightened and that guards and shields are in place. If you notice a defect on the machine that could pose a danger to the operator, do not operate the shredder until it has been corrected.
- **Ensure that the shredder is resting on a flat surface before starting the machine. Do not tilt the shredder at startup or during use.**
- If the cutting mechanism strikes foreign objects or if the machine starts to make abnormal noises or vibrations, turn off the power and wait for the machine to stop, then take the following measures:
 - Check for damage;
 - Check the tightness of the parts;
- For safety, replace worn or damaged parts. **Use only original parts, which can be obtained from the manufacturer or an authorized service center.** Non-original parts may result in poorer performance and possible injury.

- Use the shredder only in places where it is protected from water and do not use it outdoors in case of rain.
- Store in a dry and safe place out of the reach of children.
- Before starting the machine, make sure the feed chamber is empty;
- Keep your face and body away from the feed opening;
- Do not insert hands or other body parts or clothing into the feed chamber, the discharge chute, or near moving parts;
- Maintain proper balance and footing at all times. Do not lean over. Never stand at a higher level than the base of the machine when feeding material;
- Always keep away from the discharge area when using the machine;
- When feeding the machine, be extremely careful not to insert pieces of metal, stones, bottles, cans, or other unsuitable foreign objects;
- Do not allow processed material to block the discharge area. This can prevent proper discharge and may cause material kickback through the feed opening;
- If the machine becomes clogged, turn off the power and unplug it before removing debris.
- Keep all guards and deflectors in place and in good working condition;
- During maintenance of the cutting tools, remember that even if the machine does not start due to the safety lock function, the cutting means can be moved by a manual starting mechanism.
- If the power cable is damaged during use, follow these instructions:
 - A: Stop the motor
 - B: Unplug the cable from the power outlet
- If an extension cable is used, it must not be of a lighter grade than the power cable already fitted to the device.
- Do not touch a damaged cable before disconnecting it from the mains. A damaged cable can lead to contact with live parts.
- Do not touch the shredding device before the machine is disconnected from the power supply and has come to a complete stop.
- The appliance must be powered through a residual current device (RCD) with a tripping current not exceeding 30 mA.
- This appliance is not intended for use by persons with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they are supervised or instructed in the use of the appliance by a person responsible for their safety.
- Children must not use the appliance.

3 .0. Assembly

- 1) Open the package and remove the appliance;
- 2) Take out the collection tank and remove the main body of the machine and the accessories:



1. Main body



2. Accessories

- 3) Assemble the wheel and the support foot;



3. Wheel cover

4. Bolt

5. Gasket

6. Bushing

7. Wheel

8. Nut



9. Nut

10. Support

11. Foot cover

12. Foot

13. Bolt

- 4) Place the main body of the machine in the trolley, insert the support and secure it using 3 M6X40 screws



4.0. Operating instructions

4.1. Warning symbols



1. Carefully read the user manual before handling the machine. Observe the operating and safety instructions while using it.
2. Wear eye and ear protection.
3. Protect from moisture.
4. Danger – rotating blades. Keep hands and feet away from the openings while the machine is operating.
5. Danger – debris may be ejected at high speed while the engine is running. Keep people and pets at a safe distance.
6. Switch off the engine and remove the power cable before cleaning the appliance or performing maintenance operations.

4.2. Release button

- After inserting the material to be shredded, start the engine after placing the release button in the lock position.
 - Before removing the collection tank, place the release button in the unlock position.
- Push the start button knob ① up or down to turn it on or off.**

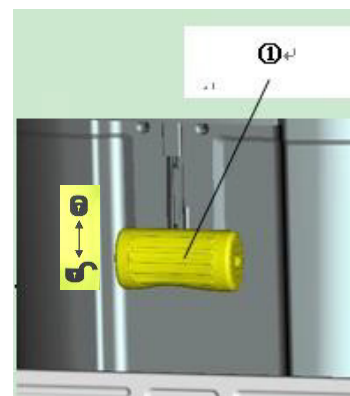
start button knob



Lock position



Unlock position



4.3. Control panel

- Green button "1"— start
- Red button "0"— stop

4.4. Reverse button

- **Button “▼” - clockwise direction**

When the button is in position “▼” (4), by pressing the green button (1), the blades will rotate clockwise to shred the material.

- **Button “▲” - counterclockwise direction**

When the button is in position “▲” (3), by pressing the green button (1), the blades will rotate counterclockwise to help extract the material.

- **Central position – neutral position**

When you want to change the direction of rotation, place the switch in the central position (neutral position) for 2 seconds, then press for the required direction (3) green button (2) red button

4.1. counterclockwise direction button (4) clockwise direction button (5) reset button

4.5. Overload protection system

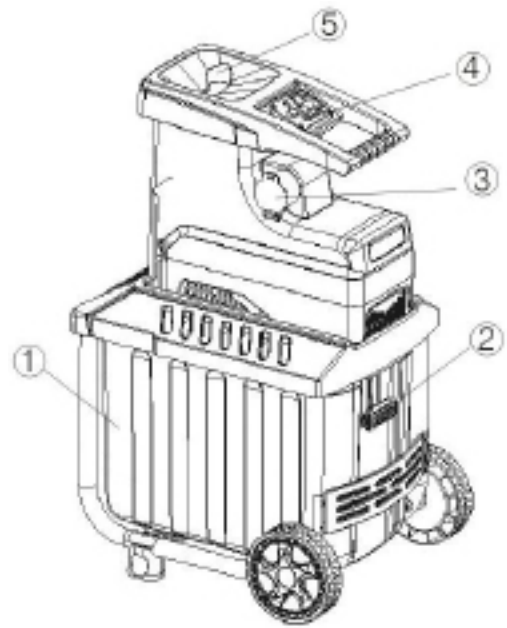
An overload (such as clogging of the cutting blade) will cause the machine to stop for several seconds. The overload protection device will automatically cut off the power supply in case of motor damage. Wait at least one minute before restarting, first press the reset button (5), press the green button again (1) Start the machine.

4.6. Operating instructions

1. When the direction button is in the middle position (neutral position), the machine will not operate. Press the “▼” button (4) to start the blades in a clockwise direction, press the “▲” button (3) to start the blades in a counterclockwise direction.
2. When the direction button is in the position “▼” (4), press the green button (1), the machine will start.
3. When the machine is clogged, the overload protection device will trip within 4-10 seconds and the machine will stop working. To restart the machine, first press the reset button (5), then press down the reverse button “▲” (3), then press the green button (1) to start the machine in counterclockwise direction. After verifying correct operation, press the red button (2), stop the machine, then press the forward button “▼” (4), press the green button (1) to start the machine for normal operation.
4. While the machine is operating, place the release button in the unlock position. The machine will stop. Remove the debris tank..
5. In situation “4”, insert the debris tank, place the release button in the lock position, the machine will start only by pressing the green button (1).
6. If while the machine is operating the power supply is interrupted, to restart it after restoring the power supply it will be necessary to press the green button (1).
7. In any situation the machine will stop immediately if the red button (2) is pressed **Attention!** Before reversing the direction of rotation of the blades, press the red button (2) to stop the machine and then reverse the rotation.

4.7. Shredder start-up:

1. Insert the debris tank in position ①;
2. Press the lock switch ②;
3. Connect the power ③;
4. Press the green button ④ to start the shredder;
5. Insert the materials;
6. Press the red button "0" to turn off the shredder;



4.8. When the debris tank is full:

1. Press the red button "0" to turn off the machine;
2. Release the lock button ②;
3. Remove the debris tank ①.

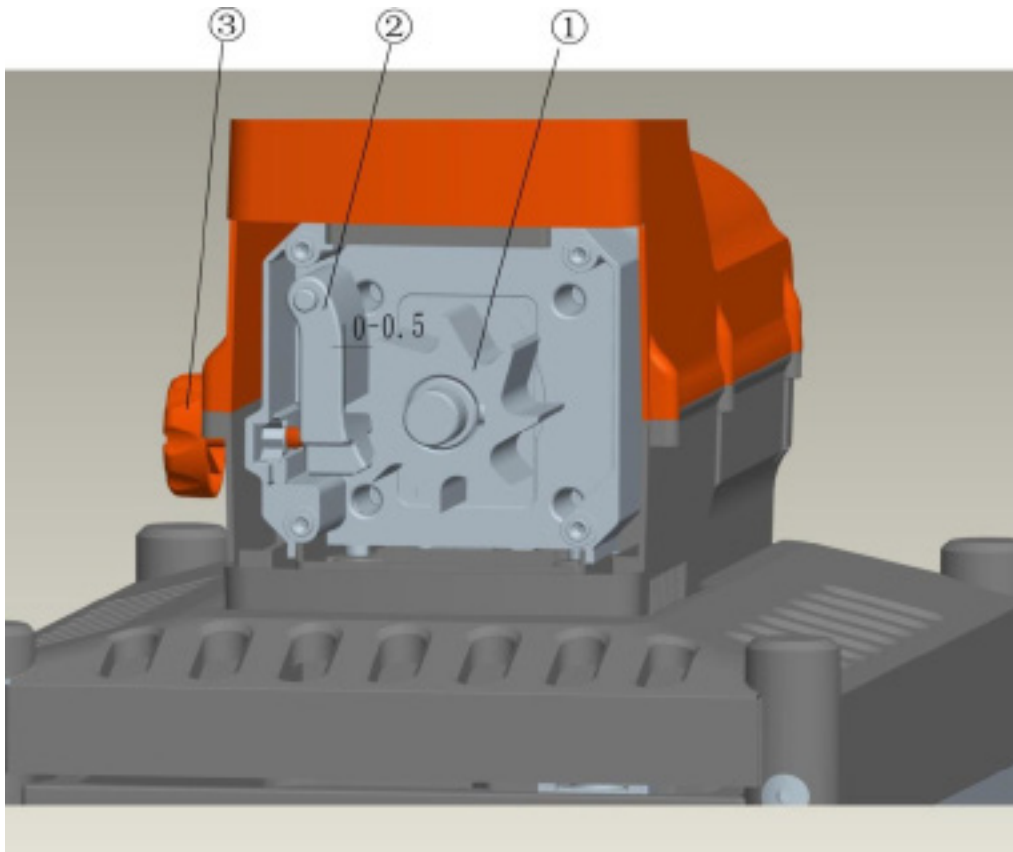
Tips:

- Bulky or woody pieces can be removed by alternating the directions of rotation several times.
- Use a stick or hook to remove objects stuck in the discharge hopper.

Warning! Always wait for the shredder to stop before turning it back on

1. Bulky materials coming out of the shredder may be thrown out when caught by the cutting blade. Keep a safe distance!
2. If the machine remains blocked, it will automatically reverse the direction, extracting the branch.
3. Check the fill level of the debris tank after a certain cutting time.
4. Insert only an amount of material that does not cause clogging of the loading hopper.
5. Shred garden waste that has been stored for a few days and is wilted and damp, alternating with branches.
6. Do not fill with soft waste such as kitchen garbage.
7. Highly branched material with leaves must be completely cut before inserting new material.

4.9. Deflector adjustment



The best distance between the deflector ② and cutting blades ① is 0-0.50 millimeters. This distance must be maintained to ensure effective operation.

There is an adjustment device (hex key) ③ on the left side of the plastic housing. The hex key is tightened to the maximum (the distance is 0 millimeters from the deflector and cutting blade) in factory conditions (this means that the hex key cannot be turned further counterclockwise). Turn clockwise by 180 degrees to reach a distance of 0.5 millimeters.

Advice

- Heavy materials or branches can cause the cutting blades to jam during continuous cutting
- Soft materials, such as leaves or stems, can block the feed openings. Feed the soft material using the supplied push bar.
- Always insert the material to be shredded from the right side of the loading hopper.
- Carefully check the material to be cut. Make sure there are no stones or nails to avoid seriously damaging the shredder.

5.0. Maintenance

5.1. Troubleshooting

If the motor jams

1. If the shredder jams, the motor switches off automatically.
2. In this case, press the “▲” button, then press the green start button to manually eject the materials.
3. If you cannot remove the materials with the procedure described in point 2, turn the blades two turns counterclockwise and then press the lock button to remove the materials.
4. Clear the feed funnel after removing the materials, adjust the deflector as explained earlier until it returns to the correct position.

The branches are not being cut

- Turn the adjustment knob half a turn counterclockwise, adjusting the gap between the blade and the deflector.

The engine does not start

- Check the power cable, plugs, fuses, and buttons for any anomalies.

The blades rotate in the wrong direction

- Adjust the direction of movement of the blades.

The feed channel is blocked

- Remove the branches from the feed opening, use a stick to remove the material.

5.2. Maintenance

- Take care of the device and clean it regularly to ensure a long lifespan and good product performance.
- Before use, check if the buttons and power cable are damaged.
- Check the condition of the components. Check that the screws are tight and that the moving parts are securely fastened.
- If there are vibrations or abnormal noises, switch off the device and check the cause.
- Do not use the shredder in case of suspected malfunction.

Warning:

- To avoid injury, electric shock, or damage to the device, do not allow liquids to come into contact with the machine.
- To avoid injury or electric shock, do not clean plastic parts with strong solvents, as some products can damage components and pose a risk of electric shock during use.

- **Cleanliness**

Each time after use:

- Wipe the surface of the device with a dry, soft cloth;
- Keep the ventilation hole clean.
- Do not spray water on the machine
- Carefully and regularly check that the screws are securely fastened.
- If the shredder is not used for a long time, to prevent rust formation it is recommended to apply a layer of anti-rust oil.
- Do not clean with chemical detergents, as these substances could damage the plastic parts.

5.3 Technical specifications

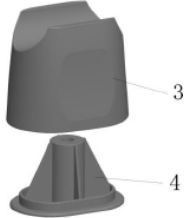
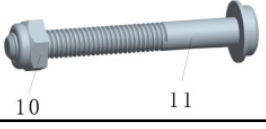
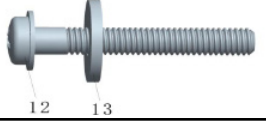
Voltage/frequency:	230 V ~ 50 Hz
Power 1 at speed 1:	S1: 2000 W
Power 2 at speed 2:	S 6 (40%) 2500 W
No-load speed:	40 rpm
Max. branch diameter:	max. 40 mm
Weight:	30 kg
Sound power level:	93 dB(A)
Protection:	IP24

Warning: the maximum diameter of branches to be shredded may vary depending on the hardness of the wood.

5.4 Maintenance

Warning! If the machine shows any malfunctions, immediately contact the dealer or service center.

5.5. Parts list

	Image	Description	Qty
1		1. wheel	2
		2. wheel cover	2
2		3. foot cover	2
		4. support foot	2
3		5. nut	2
		6. gasket	2
		7. bushing	2
		8. washer	2
		9. nut	2
4		10. self-locking nut	2
		11. bolt	2
5		12. Bolt	
		13. Gasket	
6		14. Main body	1
7		15. Support frame	1
8		16. Collection tank	1
9		Wrench 10-14	2

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 MASKINERIE – ΠΕΡΙΓΡΑΦΗ ΤΩΝ ΜΗΧΑΝΩΝ – OPIS MASZYN:
BIOTRITURATORE / DISINTEGRATOR FOR GARDEN WASTE SHREDDER

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

b) TYPE / TYP / TYPE / TIPO / TIPO / TYPE / TYPE / TIPO / MALLI / TYPBE / TYPE / ΤΥΠΟΣ / ΤΥΡ:
SH 2500

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/ARMONISIERTE 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/YHTEISIIN STANDARDEIHIN - REFERERANDE TILL STANDARDER/HARMONISERADE STANDARDER - HENVISNING TIL STANDARD/FELLES STANDARD - ΑΝΑΦΟΡΑ ΣΤΑ ΠΡΟΤΥΠΑ/ΕΝΑΡΜΟΝΙΣΜΕΝΑ ΠΡΟΤΥΠΑ - ODNIESIENIE DO NORM/NORM ZHARMONIZOWANYCH:

EN ISO 12100:2010 EN 60335-1:2012/A2:2019 EN 50434:2014

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)
SH 2500	84 / 93

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