

Instructions

D43BA / D52BA



ALNOVA[®]

Millasur, SL.

Rúa Eduardo Pondal, nº 23 - Pol. Ind. Sigüeiro

15688 - Oroso - A Coruña 981 696465 www.millasur.com



ANOVA wishes to congratulate you on choosing one of our products and guarantees you the assistance and cooperation that has always distinguished our brand over time.

This machine is designed to last for many years and be very useful if used according to the instructions in the user manual. We therefore recommend that you read this instruction manual carefully and follow all our recommendations.

For more information or questions, please contact us through our web support services, such as www.anovamaquinaria.com.

INFORMATION ABOUT THIS MANUAL

Pay attention to the information provided in this manual and on the appliance for your safety and that of others.

- This manual contains instructions for use and maintenance.
- Take this manual with you when working with the machine.
- The contents are correct at the time of printing.
- We reserve the right to make changes at any time without affecting our legal responsibilities.
- This manual is considered an integral part of the product and must remain with it in the event of loan or resale.
- Ask your dealer for a new manual in case of loss or damage.

READ THIS MANUAL CAREFULLY BEFORE USING THE MACHINE

To ensure your machine provides the best results, please read the operating and safety instructions carefully before using it.

OTHER WARNINGS:

Incorrect use could cause damage to the machine or other objects.

Adapting the machine to new technical requirements could cause differences between the content of this manual and the purchased product.

Read and follow all instructions in this manual. Failure to follow these instructions could result in serious personal injury.





COMPONENT LIST

- | | | |
|-------------------------------|----------------------|-------------------|
| 1. Engine | 12. Clamp | 22. Wrench |
| 2. Anti-vibration handle | 13. Dust cover | 23. Hex key |
| 3. Handle plateAnti-vibration | 14. M8 Nut | 24. Socket wrench |
| 4. Right handle | 15. Stop switch | 25. Belt |
| 5. Throttle triggerTO | 16. Left handle | |
| 6.Throttle trigger B | 17. Aluminum Axle | |
| 7. 3T Blade | 18. Protective cover | |
| 8. Adjustable handle support | 19. Choke lever | |
| 9. Handle shaft | 20. Nylon reel | |
| 10. Oil mixing tank | | |
| 11. Tab | | |

DESCRIPTION OF THE SYMBOLS

Symbols are used in this manual to draw your attention to potential hazards. Safety symbols and the accompanying explanations must be fully understood. Warnings alone do not prevent hazards and cannot be a substitute for proper accident prevention methods.



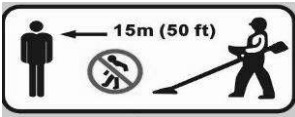
This symbol, before a safety statement, indicates a caution, warning, or hazard. Ignoring this warning could result in an accident for you or others. To limit the risk of injury, fire, or electrocution, always follow the recommendations provided.



Before any use, refer to the relevant paragraph in this manual. Read the instruction manual and follow all warnings and safety instructions.



Complies with safety standards.



Keep all children, bystanders, and helpers 15 meters away from the brush cutter.



The exhaust and other engine parts will become very hot during use, do not touch them.



Gasoline is highly flammable. Avoid smoking or bringing any flames or sparks near the fuel.



Be careful of thrown objects struck by the cutting accessories. Never operate without the blade guard properly installed.



Be careful of foot injuries when cutting the accessory



Wear head protection, hearing protection, and eye protection when using the device.



Wear sturdy footwear when using the device.



Wear protective gloves when using the device.



Symbol for refueling "MIX GASOLINE" on the fuel tank cap.

SAFETY INSTRUCTIONS

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

Children should be supervised to ensure that they do not play with the appliance.

1) Training

- Read the instructions carefully. Familiarize yourself with the controls and proper use of the appliance.
- This product is designed to be used for lawn mowing and should never be used for any other purpose.
- Do not allow children or anyone unfamiliar with these instructions to use the appliance. Local regulations may restrict the operator's age.
- Never mow while people, especially children, or pets are nearby.
- The operator or user is responsible for accidents or hazards that occur to other people or their property.
- Avoid running the engine indoors. Exhaust gases contain harmful carbon monoxide..

2) Preparation

- Always wear long shoes and pants while cutting.
- Do not use the device when barefoot or wearing open sandals.
- Thoroughly inspect the area where the device will be used and remove all stones, sticks, wires, bones, and other foreign objects.
- Before use, always visually inspect the blades, blade pins, and blade assembly for wear or damage. Replace worn or damaged blades and pins in sets to maintain balance.
- On appliances with multiple blades, be careful when rotating one blade to make other blades rotate.

3) Operation

- Operate only in daylight or good artificial light.
- Avoid using the appliance on wet grass, whenever possible.
- Always make sure you are standing.
- Walk, never run.

- Be very careful when changing direction on slopes.
- Do not cut slopes that are too steep.
- Be very careful when inverting or pulling the appliance towards you.
- Never use the appliance with defective guards or protectors, or without safety devices.
- Connect the motor according to the instructions and with your feet away from the blades.
- In this case, do not tilt it more than absolutely necessary and lift only the part facing away from the operator. Always make sure both hands are in the operating position before returning the appliance to the ground.
- Do not put hands or feet near or under rotating parts.
- Never lift or carry an appliance with the engine running.
- Disconnect the spark plug:
 - Whenever you leave the machine.
 - Before clearing a blockage.
 - Before checking, cleaning or working on the appliance.
 - After striking a foreign object, inspect the appliance for damage and make repairs as necessary.
 - If the device starts to vibrate abnormally (check immediately).

4) Maintenance and storage

- Keep all nuts and bolts tight to ensure the appliance is in good working condition.
- Check the grass catcher frequently for wear or deterioration.
- Replace worn or damaged parts for safety.
- For rotary mowers, ensure that only replacement cutting media of the appropriate type are used.
- Never store equipment with gasoline in the tank inside a building where fumes can reach a flame or spark;
- Allow the engine to cool before storing it in any enclosure;
- To reduce the risk of fire, keep the engine, muffler, battery compartment and fuel tank free of grass, leaves or excessive grease;
- If the fuel tank needs to be drained, this should be done outdoors.

SPECIAL SAFETY WARNINGS

1. Hold the brush cutter handles firmly with both hands. If you stop working, return the throttle to the idle position.
2. Always make sure to maintain a stable and even posture while working
3. Maintain the engine speed at the level required to perform the cutting work and never increase the engine speed above the necessary level.
4. If grass gets caught in the blade during operation, or if you need to check the unit or refill the tank, always be sure to turn off the engine.
5. If the blade touches a hard object such as a rock, stop the engine immediately and check if anything is wrong with the blade. If so, replace it with a new one.
6. If someone calls while you are working, always be sure to turn off the engine before turning around.



7. Never touch the spark plug or wire while the engine is running. Doing so can result in electric shock.
8. Never touch the muffler, spark plug, or other metal parts of the engine while the engine is running or immediately after stopping it. Doing so can cause serious burns.
9. When you finish cutting in one place and want to continue working in

another place, turn off the engine and turn the machine so the blade is away from your body.

10. Check that the cutting attachment has stopped rotating at engine idle speed before starting to use the machine.

Intended use

This brush cutter is designed for mowing grass. Any other use is prohibited.

The brushcutter is suitable for private garden use only. Brushcutters for private use are those used for mowing the lawn in the garden, but not for mowing in public parks, playgrounds, or on farms or in forests.

Users not allowed: People who are not familiar with the instruction manual, children, young people under 16 years of age, as well as people under the influence of alcohol, drugs or medication should not operate the unit.

Working hours for gasoline brush cutter:

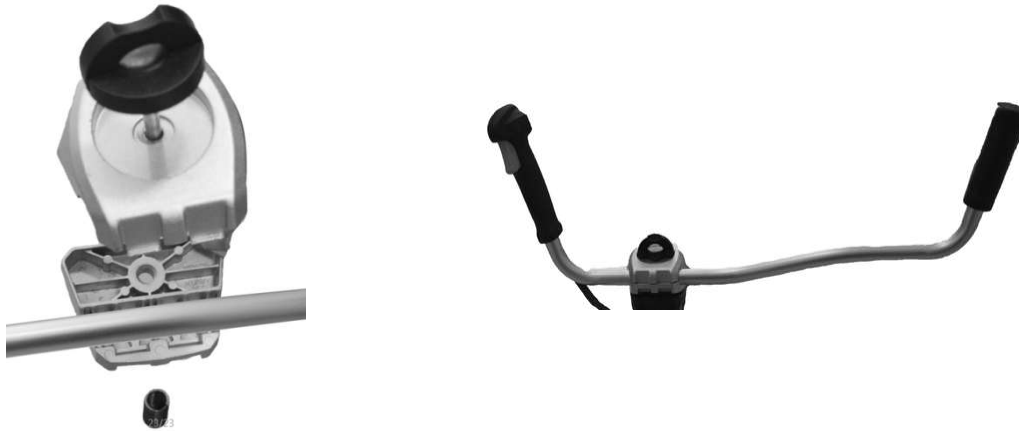
While the use of a brush cutter is permitted at any time, operators must always demonstrate due consideration for people living nearby.

MOUNTING

When assembling this machine, follow the printed assembly instructions.

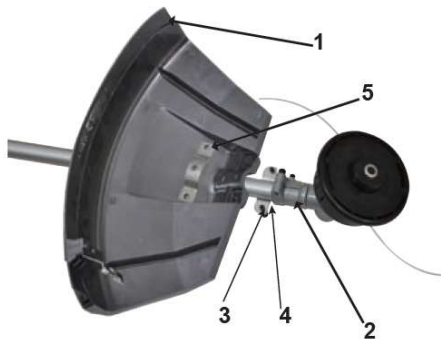
1. Assemble the handle

Use the lower and upper handlebar to hold the handle tube, put the spring into the lower hole of the bar, and use the screw to fix the bar and tube together.



2. Mount the safety guard.

Fix the guard (1) to the angle transmission (2) using two screws (3) that are tensioned between the fixed plate (4) and the guard under the cover (5).



!Warning! Use only original manufacturer spare parts, accessories, and attachments. Failure to do so may result in poor performance, possible injury, and may void the warranty. Never operate the machine without the guard attached!

3. Mounting the cutting head.

Nylon head

3.1 Loosen the nut. Align the two holes of the flange and the shield, use a screwdriver to hold the flange as shown below and turn the socket wrench clockwise, the nut will be released.



3.2 Attach the nylon cutting head. Remove the other guard after

loosening the nut. Hold the flange, grip the nylon cutter head onto the shaft, and turn it counterclockwise. The nylon cutter head is installed.



Release the nylon cutting head. Use a screwdriver to hold the cable tie and then turn the nylon cutter head clockwise until it is securely fastened, it will be replaced.

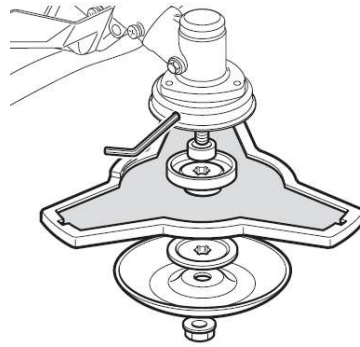


Three-tooth disc

3.3 Place the blade. Remove the outer flange after loosening the nut, then replace the blade, outer flange, shield, and nut according to the priority shown below. Note that the blade rotation direction must be the same as the image below. Use a screwdriver to hold the flange and tighten the nut counterclockwise, ensuring the nut is tight enough.



Release the blade. Use a screwdriver to hold the flange and release nut, the blade may come off.



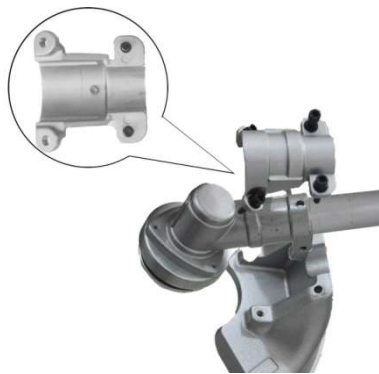
Warning!

Please make sure the cutting head has been mounted correctly before use!

Note:The packaging material is made from recycled materials. Dispose of packaging materials according to regulations.

24-tooth saw blade (wide disc)

3.4 Mounting the aluminum saw blade cover:Place the pin of the guard shield into the hole of the angle grinder, use four screws to tighten the aluminum saw blade cover to the angle grinder tightly enough.



3.5 Attach the blade.Remove the outer flange after loosening the nut, then install the 24T saw blade, outer flange, shield, and nut according to the priority as shown below. Use a screwdriver to hold the flange and tighten the nut counterclockwise, ensuring the nut is tight enough.



Release the blade.Use a screwdriver to hold the flange and release nut, the blade may come off.

Warning!

Please make sure the cutting head has been mounted correctly before use!

4. Attach the strap.According to the chart shown, adjust the belt well.

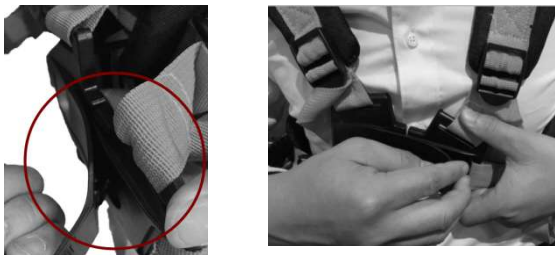
Carry the strap on your arm and insert the left-hand latch into the right lock, the belt is mounted.



You can adjust the height of the strap board by the two adjusters below.



Release the belt: You can release the belt by pulling the plastic plate of the belt on the right (as below) until the locking pin pops out and pull out the latch on the left side, the belt will be released.



OPERATIONEITHERN

Filling with fuel

Danger of injuryon!

The fuel is explosive!

DANGER!-Turn off and cool the engine before filling the fuel tank. - All safety instructions regarding fuel delivery must be followed.

Risk of damage to the device!

The device is supplied without engine or gearbox oil. **CAUTION!** Before operation, it must be filled with fuel.

Never use oil for 4-stroke or water-cooled 2-stroke engines. This can cause blockage of the spark plug exhaust port or sticking of the piston ring.

Mixed fuels that have not been used for a month or more can clog the carburetor or cause the engine to run poorly. Place the remaining fuel in an airtight container and keep it in a cool, dark room.

Mix a regular grade gasoline (leaded or unleaded, alcohol-free) and a quality tested

motor oil for air-cooled 2-stroke engines.

RECOMMENDED MIXING RATIO

GASOLINE 40: OIL 1

WARNING! Be careful with exhaust emissions. Always turn off the engine before refueling. Never add fuel to a machine with a running or hot engine. Be careful with fire!

WARNING! Never smoke while refueling and avoid inhaling gasoline vapors.

WARNING! Carefully open the tank cap as pressure may have built up inside.

Before refueling:

Shake the fuel mixing container well.

- Place the machine on a flat, stable surface with the fuel tank cap facing upwards.
- Clean the fuel tank cap and surrounding area to prevent dirt from entering the tank during refilling.
- Carefully open the fuel tank cap to allow the internal pressure to gradually decrease. Use a funnel when refilling and avoid filling the tank to the brim.
- Unscrew the tank cap and remove it.
- Pour fuel carefully, avoiding spillage. Screw the tank cap on tightly by hand.



Fuel Drain

- Hold a catch container under the fuel drain bolt.
- Unscrew the tank cap and remove it.



- Let the fuel run out completely.
- Screw the tank cap on tightly by hand.

WARNING! Always close the fuel tank cap securely.

WARNING! Immediately wipe up any fuel that may have dripped on the machine or the ground, and do not start the engine until gasoline vapors have dissipated.

Start in unity

Do not start the unit until it has been fully assembled. Always check the oil before starting the unit.


Check before use!

Risk of injury!

Do not operate the device unless you find no faults. If it has parts
DANGER! If defective, be sure to replace them before using the device again.

- Check that all parts of the device have been securely fitted.
- Check that all safety devices are in good condition.

Danger of injury!

 Before starting work, always check the floor and remove all objects that could be thrown by the device.

Once the machine has been properly set up, start the engine as follows:

The engine switch is always in the ON position.

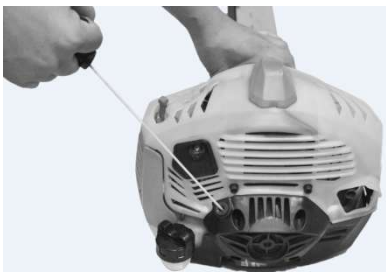
1. Attention: When the brush cutter is used and started up for the first time, the end user is strongly recommended to push the primer pump at least 10 times to obtain the best performance from the equipment for future use.



2. Set the choke lever to the (off) position.



3. Pull the ignition handle slowly for 10 to 15 cm until the engine starts.

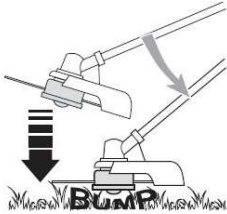


Please note that the choke lever is automatic, once you press the regulator trigger, it would automatically return to "on".

4. Press the acceleration trigger A and B, the machine will start to rotate and run.



5. If you use the nylon cutter, before cutting, you need to hit it to feed the line first.



6. If you need to stop the cutter head, release the throttle trigger A and B. If any problem occurs, press the engine switch, the machine will stop working.

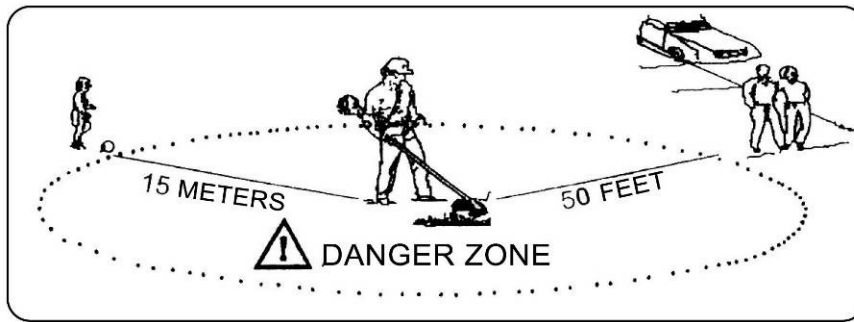


Please note that the stop switch always stays on unless pressed, so if the machine is hot, the customer can restart the machine by pulling the starter handle directly.

7. If an emergency occurs, you can release the machine by pulling the pin on the belt.



8. WARNING! Do not use the machine to sweep, tilting the head away from the cutting line. The engine's power could throw objects and small stones 15 meters or more, causing damage or injury to people.



No one except the operator is allowed within a 15-meter radius. The operator must wear eye, ear, face, foot, and leg protection. People in the risk zone beyond the danger zone must wear eye protection against thrown objects. The risk decreases with distance from the danger zone.

Note:

1. Do not start the engine in tall grass.
2. During mowing, place the connecting cable securely on paths and in areas that have already been mowed.
3. With the engine off, the cutter continues to run for several seconds. Therefore, do not approach the brush cutter's cutting head until the cutter has stopped.

MAINTENANCE ROUTINE

Proper maintenance is essential to maintain the machine's original efficiency and safety over time. **Before performing any maintenance or cleaning work, always turn off the engine.**

1. Do not spray the unit with water. Water ingress can damage the motor and electrical connections.
2. Clean the unit with a cloth, hand brush, etc.

WARNING! During maintenance:

- Remove the spark plug wire.
- Wait until the engine is cool enough.
- Never place oils, fuel or other polluting materials in unauthorized locations.

| Maintenance schedules | | | |
|------------------------------|-----------------|-----------------|-----------------|
| | 12 hours of use | 24 hours of use | 36 hours of use |
| Air filter | Clean | Clean | Replace |
| Spark plug | Review | Clean | Replace |

Expert inspection is required:

- a) If the cutter hits an object.
- b) If the engine stops unexpectedly.
- c) If the nylon cutter is damaged.
- d) If the equipment is damaged.

Replace and re-clean the nylon spool at the end of the trimming season. Always re-clean the nylon

spool or, if necessary, replace it with a new one. Always have the nylon spool cleaned or replaced by a customer service center.

STORAGE

At the end of each work session, carefully clean the machine of dust and debris, and check for damaged parts, replacing any defective ones. The machine should be stored in a dry place away from the elements, with the cover properly installed.

CLEANING THE ENGINE AND MUFFLER

To reduce the risk of fire, periodically clean the cylinder fins with compressed air and clean the muffler area to remove sawdust, twigs, leaves, or other debris.

STARTER UNIT

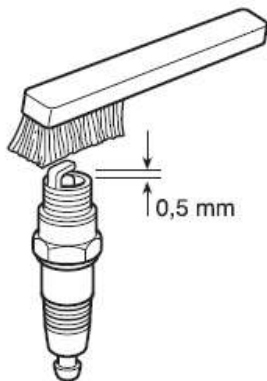
To prevent overheating and engine damage, always keep the cooling air vents clean and free of sawdust and debris. If you notice signs of wear on the starter cord, contact your dealer for a replacement.

NUTS AND BOLTS

Periodically check that all nuts and bolts are securely tightened and that the handles are secure.

Changing and cleaning the spark plug

- Periodically remove and clean the spark plug with a wire brush to remove any deposits.
- Check and restore the correct distance between the electrodes.
- Replace the spark plug and secure it firmly with the supplied wrench.
- The spark plug must be replaced with one with the same characteristics whenever the electrodes have burned out or the insulation has worn down, and in any case every 100 hours of work.



Cleaning the air filter

IMPORTANT Cleaning the air filter is essential to ensure the machine's efficiency and longevity. Do not operate with a damaged filter or without one, as this could permanently damage the engine. It should be cleaned every 12 hours of operation.

Clean the filter as follows:

- Loosen the screws, remove the cover and the filter element.
- Clean the filter element with an air gun or brush. Do not use water, gasoline, or other solvents.
- Allow the filter to air dry.
- Reassemble the filter element and cover and retighten the screws.



Warning!

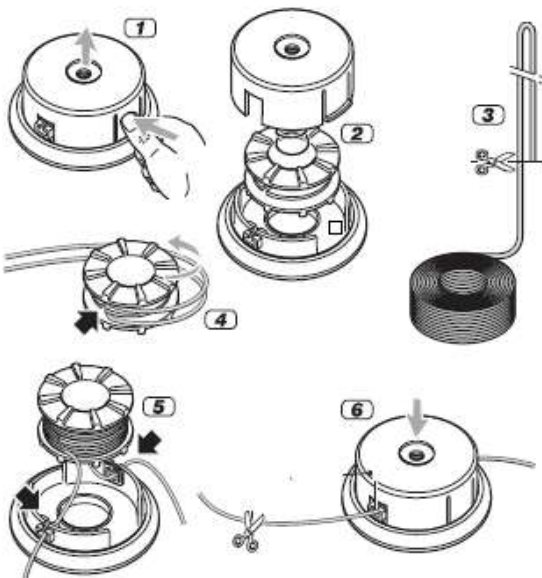
Never start the engine without the air filter installed.

Angle transmission

Lubricate with lithium-based grease. Remove the screw (1) and apply the grease, turning the shaft manually until grease comes out, and retighten the screw (1).

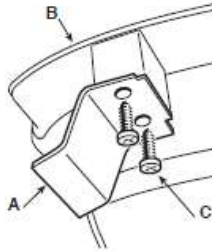


Replacing the main line(see images below.)



SHARPENING THE CUTTING BLADE

- Remove the cutting blade (A) from the guard (B) by unscrewing the screws (C).
- Clamp the line cutter blade in a vice and sharpen it with a flat file, taking care to retain the original cutting angle.
- Place the knife in the guard.



TROUBLESHOOTING

Before performing any maintenance or cleaning work, always turn off the engine and wait for the cutter to stop.

1) The engine does not start or does not run

- Reassemble the nylon blade.
- Check the weather, that there is no fuel.
- Incorrect starting procedure - Follow instructions.
- Fouled spark plug or incorrect gap between electrodes - Check the spark plug.
- Clogged air filter - Clean and/or replace the filter.
- Carburetor problems - Contact your dealer.

2) The engine starts but lacks power

- Nylon spool replacement (customer service center)
- Clogged air filter - Clean and/or replace the filter
- Carburetor problems - Contact your dealer

3) The engine runs irregularly and lacks power

- Fouled spark plug or incorrect gap between electrodes - Check the spark plug
- Carburetor problems - Contact your dealer.

4) The engine smokes too much

- Incorrect fuel mixture composition - Prepare the fuel mixture according to the instructions.
- Carburetor problems - Contact your dealer.

5) The cutting device must not move when the engine is idling.

- Incorrect carburetor adjustment - Contact your dealer

6) The machine starts to vibrate abnormally

- Damaged or loose parts - Stop the machine and disconnect the spark plug wire, inspect for damage. Check and tighten any loose parts. Have all checks, repairs, and replacements performed only by a specialized center.

7) If the machine temperature is too high:

- Make sure the machine rests on time.

Faults that cannot be corrected with the help of this table can be rectified by a specialized company (customer service center).

SPECS

| Model | D43BA | D52BA |
|--|--------------|--------------|
| Engine displacement | 42.7CC | 51.7CC |
| Rated engine power | 1.25KW | 1.4KW |
| Fuel tank volume | 1000ml | 1000ml |
| Shaft diameter | Φ28mm | Φ28mm |
| Nylon cut width | 450mm | 450mm |
| LNylon line | Φ2.8mm | Φ2.8mm |
| Blade cutting width | 255mm | 255mm |
| Blade thickness | 1.4mm | 1.4mm |
| Maximum rotation speed of the brush cutter | 7900min-1 | 7900min-1 |
| Maximum rotation speed of the lawnmower | 7200min-1 | 7200min-1 |
| Net weight (including engine) | 11.0 kg | 11.0 kg |
| Sound power level, LWA | 114dB(A) | 114dB(A) |

EC DECLARATION OF CONFORMITY

DISTRIBUTION COMPANY

MILLASUR, SL
RUA EDUARDO PONDAL, Nº 23 PISIGÜEIRO
15688 OROSO - A CORUÑA
SPAIN

The image shows a large, faint watermark of a hand holding a checkmark in the background. In the top right corner, there is a CE mark and the ALNOVA logo in red.

EC DECLARATION OF CONFORMITY

In compliance with the various EC directives, it is hereby confirmed that, due to its design and construction, and according to the CE mark printed on it by the manufacturer, the machine identified in this document complies with the relevant and fundamental health and safety requirements of the aforementioned EC directives. This declaration qualifies the product for displaying the CE symbol.

If the machine is modified and this modification is not approved by the manufacturer and communicated to the distributor, this declaration will lose its value and validity.

Machine name: BRUSH CUTTER

Model/s: **D43BA / D52BA**

Recognized and approved standard to which the following are adapted:

Directive 2006/42/EC / Directive 2017/30/EU

Tested according to:

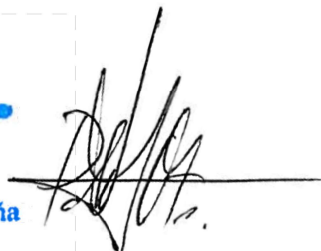
EN ISO 14982:2009

EN ISO 5395-1:2013 / EN ISO 5395-2:2013

Test report: 708881035633-02 / 704031035633-03

Company seal

The logo for Millasur, featuring the company name in blue lowercase letters with a stylized leaf above the 'u'. Below the name is the address: Rua Eduardo Pondal, nº 23, Pol. Ind. Sigüeiro - 15688 Oroso - A Coruña, and contact information: Tlf. 931 696465 / Fax. 981 690861.

A handwritten signature in black ink, written over a horizontal line.

08/19/2017