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GRASS TRIMMER 500W Ø320MM POWXG30033

1 INTENDED USE

Your grass trimmer has been designed for trimming and finishing lawn edges and for cutting grass in confined spaces. Not suitable for professional use.



WARNING! For your own safety, read this manual and the general safety instructions carefully before using the appliance. Your power tool should only be given to other users together with these instructions.

2 DESCRIPTION

1. Trigger switch
2. Auxiliary handle
3. Handle rotation locking collar
4. Height adjustment locking collar
5. Telescope tube
6. Motor housing
7. Flower guard
8. Cutting head
9. Safety guard
10. Cable strain relief hook
11. Edger wheel

3 PACKAGE CONTENT LIST

- Remove all packaging materials.
- Remove remaining packaging and packing inserts (if included).
- Check that the package contents are complete.
- Check the appliance, the power cord, the power plug and all accessories for transportation damage.
- Keep the packaging materials as far as possible until the end of the warranty period. Then take it to your local waste disposal system.



WARNING Packaging materials are not toys! Children must not play with plastic bags! There is a danger of suffocation!











Grass trimmer
Safety guard
Auxiliary handle
Edger wheel
spool with 2X4m of wire
Manual
1 spool for normal use
1 extra heavy duty spool



If any parts are missing or damaged, please contact your dealer.

4 SYMBOLS

The following symbols are used in this manual and/or on the machine:

	In accordance with essential safety standards of applicable European directives		Class II - The machine is double insulated, and earthing wire is unnecessary.
	Denotes risk of personal injury or damage to the tool.		Keep hands and feet away from sharp parts.
	Read manual before use		Wear gloves
	Remove plug from the mains immediately if the cable is damaged or cut		Never operate the machine in the rain or in damp or wet conditions. Moisture is an electrical shock hazard.
	Keep bystanders away		Wear ear guards and goggles

5 GENERAL POWER TOOL SAFETY WARNINGS

Read all safety warnings and instructions. Failure to heed warnings and follow instructions may result in electric shock, fire and/or serious injury. Keep safety warnings and instructions for future reference. The term "power tool" in the safety warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

5.1 Working area

- Keep working area clean and well lit. Untidy and dark areas can lead to accidents.
- Do not operate power tools in potentially explosive surroundings, for example, in the presence of inflammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes.
- Keep children and bystanders at a distance when operating a power tool. Distractions can cause you to lose control of it.

5.2 Electrical safety



Always check that the power supply corresponds to the voltage on the rating plate.

- Power tool plugs must match the outlet. Never modify the plug in any way. Do not use adapter plugs with earthed power tools. Unmodified plugs and matching outlets will reduce the risk of a lethal electric shock.
- Avoid body contact with earthed surfaces such as pipes, radiators, kitchen ranges and refrigerators. There is an increased risk of a lethal electric shock if your body is earthed.
- Do not expose power tools to rain or wet conditions. If water gets inside a power tool, it will increase the risk of a lethal electric shock.
- Do not damage the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep the cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of a lethal electric shock.

- When operating a power tool outdoors, use an extension cable suitable for outdoor use. Using a cord suitable for outdoor use reduces the risk of a lethal electric shock.
- If operating a power tool in a damp location is unavoidable, use a power supply protected by a residual current device (RCD). Using an RCD reduces the risk of a lethal electric shock.

5.3 *Personal safety*

- Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool when you are tired or under the influence of drugs, alcohol or medication. A moment of inattention when operating a power tool may result in serious personal injury.
- Use safety equipment. Always wear eye protection. Using safety equipment such as a dust mask, non-skid safety shoes, a hard hat, or hearing protection whenever it is needed will reduce the risk of personal injury.
- Avoid accidental starts. Ensure the switch is in the off position before inserting the plug. Carrying power tools with your finger on the switch or plugging in power tools when the switch is in the on position makes accidents more likely.
- Remove any adjusting keys or spanners before turning on the power tool. A spanner or key left attached to a rotating part of the power tool may result in personal injury.
- Do not reach out too far. Keep your feet firmly on the ground at all times. This will enable you to retain control over the power tool in unexpected situations.
- Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from the power tool. Loose clothes, jewellery or long hair can become entangled in the moving parts.
- If there are devices for connecting dust extraction and collection facilities, please ensure that they are attached and used correctly. Using such devices can reduce dust-related hazards.

5.4 *Power tool use and care*

- Do not expect the power tool to do more than it can. Use the correct power tool for what you want to do. A power tool will achieve better results and be safer if used in the context for which it was designed.
- Do not use the power tool if the switch cannot turn it on and off. A power tool with a broken switch is dangerous and must be repaired.
- Disconnect the plug from the power source before making adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.
- Store power tools, when not in use, out of the reach of children and do not allow people who are not familiar with the power tool or these instructions to operate it. Power tools are potentially dangerous in the hands of untrained users.
- Maintenance. Check for misalignment or jammed moving parts, breakages or any other feature that might affect the operation of the power tool. If it is damaged, the power tool must be repaired. Many accidents are caused by using poorly maintained power tools.
- Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to jam and are easier to control.
- Use the power tool, accessories and cutting tools, etc., in accordance with these instructions and in the manner intended for the particular type of power tool, taking into account the working conditions and the work which needs to be done. Using a power tool in ways for which it was not intended can lead to potentially hazardous situations.

5.5 *Service*

- Your power tool should be serviced by a qualified specialist using only standard spare parts. This will ensure that it meets the required safety standards.

6 ADDITIONAL SAFETY RULES FOR GRASS TRIMMERS

- Grass trimmers must not be used by children or untrained persons.
- Wear stout shoes or boots to protect your feet.
- Wear long trousers to protect your legs.



Only connect the appliance to an electric circuit which is protected by an earth leakage switch (30 mA).

- Check the appliance before use. If it is damaged, it must not be used.
- If the unit is damaged, have the damage repaired by an authorized repair agent.
- Do not use the appliance if the mains cable is damaged or worn.
- Before use check the extension cord for possible wear and tear. In case of damage, immediately remove the mains cable from the wall socket. Do not touch the cable before the mains cable has been removed from the wall socket.
- Do not use the appliance in the presence of children and/or animals.
- Only use the appliance in daylight or with good lighting.
- Never use the appliance without the guard in place.
- Before using the appliance, remove sticks, stones, wire and other obstacles from the surface on which you intend to work.
- Only use the appliance in an upright position, with the cutting line pointing to the ground. Never switch on the appliance in another position.
- Always keep your hands and feet away from the cutting line.
- Avoid touching the cutting line.
- Make sure that the mains cable does not touch the cutting line.
- Before putting the appliance down, switch it off and wait for the cutting line to come to a complete standstill. Never attempt to bring the cutting line to a standstill yourself.



Beware. After switching off the appliance it continues to rotate for a short time.

- Only use the type of cutting line recommended by the manufacturer. Never use a metal cutting line or fishing line.
- Remove the plug from the wall socket when you have finished, before servicing, or when the appliance is not being used.
- After use, always store the appliance safely and out of the reach of children.
- Do not cut against hard objects. This could cause injury or damage the trimmer.
- Do not use the trimmer to cut grass which is not in contact with the ground, for example, do not cut grass which is on walls or rocks etc.

7 ASSEMBLY

The trimmer is supplied with some components which need to be assembled. Please proceed as follows:

7.1 Safety guard assembly and Edger Wheel assembly (Fig. 1)

Fix the safety guard to the trimmer head making sure the sides are located into the grooves on the trimmer head.

Secure the safety guard and edger wheel onto the trimmer head with the 4 screws provided.



Warning: the guard has a very sharp cutting edge on 1 side for cutting the nylon line.



WARNING! Never operate the tool without the guard properly in place. Use of the unit without having installed the guard will cause the motor to overheat, and void the warranty.

7.2 Auxiliary handle assembly (see fig 2)

Note: This may already be pre-fitted to the trimmer. However the following instructions give full assembly details

1. Push auxiliary handle knobs on both sides .
2. While pushing the knobs, slide the handle on to the handle bracket assembly located on trimmer's shaft. (once the auxiliary handle is placed in position, the knobs can be released). To adjust : Push on the auxiliary handle locking knobs (see fig 2).

The auxiliary handle's bracket can be moved up or down on the shaft and the auxiliary handle itself can be moved forward or backward into 5 different locked positions (fig 3) while knob is pushed.

Lock by releasing the knobs, to fix handle in the desired height.

8 OPERATION

8.1 Starting

- To switch on the trimmer first press the On/Off trigger (1). To switch off simply release the On/Off switch trigger(1)
- If you find that the nylon line is too short, let the trimmer run for a few seconds touching the working area to allow the trimmer to cut the line after it lengthens.
- Do not overload the trimmer, cut in small sections which will greatly improve efficiency by keeping the trimmer running at high speed,
- Use the edge of the guard as a guide when cutting near fences and walls, etc.

8.2 Adjust the telescopic length

To adjust the telescopic shaft, simply unscrew the height adjustment locking collar and slide the shaft to the desired height (see fig 4)

Screw to fix the shaft at this desired length (see fig 5)

9 USING THE TRIMMER AS AN EDGER (FIG. 6)



Before making this change, make sure that the device is switched off and completely separated from the power mains.

For edging driveways and paths, transform the trimmer from trimmer mode to edging mode as follows:

- Lift up the rotation locking collar (4) and turn the top of the shaft 180° counter-clockwise (The head will only move in one direction). Release the rotation locking collar back to lock the shaft in place.
- Now the trimmer can be used as an edge trimmer.



Warning: To prevent accidental starts which may cause serious personal injury, always disconnect the power cord before attempting to rotate the shaft.



In order to reduce strain on the cable inlet, form a loop and locate the cable around the strain relief hook.

10 INTELLIGENT LINE FEED

When initially switching on the trimmer, a small length of line is fed out.

A 'clattering' noise will be heard when the lines hit the line cutter. **DO NOT BE ALARMED** this is quite normal. After about 5 seconds the line will be cut to the correct length and the noise will reduce as the motor receives full speed.

If the noise of the line being cut can't be heard, more line will be fed out.

This trimmer has an intelligent line feed, so the spool will automatically feed more line when needed, and when the line is subjected to some resistance.

No need to stop machine, as this system will act itself.

Make sure that line is fed out before operation. Make sure motor is up to full speed before trimming.

Use only 1.60mm diameter cutting line. Other sizes of line will not feed properly and will result in improper cutting head function or can cause serious injury. Do not use other material such as wire, string, rope, etc. Wire can break off during cutting and become a dangerous missile that can cause serious injury.

11 TROUBLE SHOOTING

PROBLEM	POSSIBLE CAUSE	SOLUTION
Line will not advance	<ul style="list-style-type: none">Line is welded to itselfNot enough line on the spoolLine has worn too shortLine is tangled on the spool	<ul style="list-style-type: none">Lubricate with a silicone sprayReplace the spoolRemove the spool and feed line outRemove line from spool and rewind
Cutting head is hard to turn	<ul style="list-style-type: none">Grass wrapped or built up around head	<ul style="list-style-type: none">Clean the effected parts of the machine
Grass continually wraps around the shaft and trimmer head assembly	<ul style="list-style-type: none">Cutting tall grass at ground level	<ul style="list-style-type: none">Cut tall grass from the top down
Line trimmer stops and will not start again	<ul style="list-style-type: none">Unit failedPlug is damaged	<ul style="list-style-type: none">Contact dealer to check damageCheck the plug

12 TECHNICAL DATA

Rated voltage	230V
Rated frequency	50Hz
Rated Power	500
No load speed	9000 min ⁻¹
Cutting width	320 mm
Line size	Φ1.6mm
Cutting system	2 lines/Intelligent system
Weight	2.5kg

13 NOISE

Noise emission values measured according to relevant standard. (K=3)

Acoustic pressure level LpA	73 dB (A)
Acoustic power level LwA	96 db (A)



ATTENTION! Wear hearing protection when sound pressure is over 85 dB(A).

aw (Vibration)	4.6m/s ²	1.5m/s ²
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14 CLEANING AND MAINTENANCE

Your tool has been designed to operate over a long period of time with a minimum of maintenance. Continuous satisfactory operation depends upon proper tool care and regular cleaning.



Warning! Before performing any maintenance, switch off and unplug the tool.

- Regularly clean the ventilation slot in your tool using a soft brush or dry cloth.
- Regularly clean the cutting line and spool using a soft brush or dry cloth.
- Regularly use a blunt scraper to remove grass and dirt from the underneath of the guard.

15 WARRANTY

- This product is warranted for a 36-month period effective from the date of purchase by the first user.
- This warranty covers all material or production flaws excluding : batteries, chargers, defective parts subject to normal wear & tear such as bearings, brushes, cables, and plugs, or accessories such as drills, drill bits, saw blades, etc. ; damage or defects resulting from maltreatment, accidents or alterations; nor the cost of transportation.
- Damage and/or defects resulting from inappropriate use also do not fall under the warranty provisions.
- We also disclaim all liability for any bodily injury resulting from inappropriate use of the tool.
- Repairs may only be carried out by an authorised customer service centre for Powerplus tools.
- You can always obtain more information at the number 00 32 3 292 92 90.
- Any transportation costs shall always be borne by the customer, unless agreed otherwise in writing.
- At the same time, no claim can be made on the warranty if the damage of the device is the result of negligent maintenance or overload.
- Definitely excluded from the warranty is damage resulting from fluid permeation, excessive dust penetration, intentional damage (on purpose or by gross carelessness), inappropriate usage (use for purposes for which the device is not suitable), incompetent usage (e.g. not following the instructions given in the manual), inexperienced assembly, lightning strike, erroneous net voltage. This list is not exhaustive.
- Acceptance of claims under warranty can never lead to the prolongation of the warranty period nor commencement of a new warranty period in case of a device replacement.
- Devices or parts which are replaced under the warranty therefore remain the property of Varo NV.
- We reserve the right to reject a claim whenever the purchase cannot be verified or when it is clear that the product has not been properly maintained. (Clean ventilation slots, carbon brushes serviced regularly, etc.).
- Your purchase receipt must be kept as proof of date of purchase.

- Your appliance must be returned undismantled to your dealer in an acceptably clean state, (in its original blow-moulded case if applicable to the unit), accompanied by proof of purchase.

16 ENVIRONMENT

Should your appliance need replacement after extended use, do not throw it away with the household rubbish, but dispose of it in an environmentally safe way. Waste produced by electrical machine items should not be handled like normal household rubbish. Please recycle where recycling facilities exist. Check with your local authority or retailer for recycling advice.

17 CE DECLARATION OF CONFORMITY

VARO – Vic. Van Rompuy N.V. – Joseph Van Instraat 9 – 2500 Lier – Belgium, solely responsible declares that,

product	Grass trimmer 500W – Ø320mm
trade mark	PowerPlus
model	POWXG30033

is in conformity with the essential requirements and other relevant provisions of the applicable European Directives, based on the application of European harmonized standards. Any unauthorized modification of the apparatus voids this declaration.

European Directives (including, if applicable, their amendments);

2011/65/EU
2006/42/EC
2014/30/EU
2000/14/EC

Annex VI

LwA

Measured	91dB(A)
Guaranteed	96dB(A)
Notified Body	TuV Sud - DE

European harmonized standards (including, if applicable, their amendments);

EN60335-1 : 2012
EN50636-2-91 : 2014
EN55014-1 : 2017
EN55014-2 : 2015
EN61000-3-2 : 2014
EN61000-3-3 : 2013

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