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BRUSH CUTTER 42.7CC**POWEG8012****1 APPLICATION**

The brush cutter is, depending on the assembled cutting tools, intended to mow lawns or pastures, to trim scrub, shrubs, bushes and very small trees for private use. The device cannot be used for other purposes. The manufacturer will no longer be liable when the device is used for a purpose other than what is intended or if it is modified. Please take the safety guidelines, the assembly and operation manual, as well as the general conditions for the prevention of accidents into account.



WARNING! Read this manual and general safety instructions carefully before using the appliance, for your own safety. Your power tool should only be passed on together with these instructions.

2 OVERVIEW COMPONENTS (FIG A)

- | | |
|---------------------------|----------------------|
| 1. Cutting attachment | 11. Belt |
| 2. Metal cutting blade | 12. Sparkplug |
| 3. Protective cover | 13. Choke |
| 4. Quick release latch | 14. Muffler |
| 5. Shaft housing | 15. Fuel tank |
| 6. Two-handed fork handle | 16. Fuel cap |
| 7. On / Off stop control | 17. Air filter cover |
| 8. Safety switch | 18. Gearbox cover |
| 9. Gas lever | 19. Primer bulb |
| 10. Belt eye | |

3 PACKAGE CONTENT LIST

- Remove all packing materials
- Remove remaining packaging and transit supports (if existing)
- Check the completeness of the packing content
- Check the appliance, the power cord, the power plug and all accessories for transportation damages.
- Keep the packaging materials as far as possible till the end of the warranty period. Dispose it into your local waste disposal system afterwards.



WARNING Packing materials are no toys! Children must not play with plastic bags! Danger of suffocation!










- | | |
|-----------------------------|-----------------------------|
| 1 x brush cutter | 1 x double head screwdriver |
| 1 x double shoulder harness | 1 x double open spanner |
| 1 x trimmer line | 2 x hex key |
| 1 x cutting blade | 2 x strap |
| 1 x spark plug socket | 1 x bottle |



When parts are missing or damaged, please contact your dealer.

4 SYMBOLS

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

	Read the manual before using the machine		Wear sturdy shoes with antiskid soles !
	Denotes risk of personal injury or damage to the tool.		Wear approved hearing protection and safety glasses
	In accordance with essential applicable safety standards of European directives		Wear good and sturdy gloves!
	Keep a minimum distance of 15m between the machine and third parties during use		WATCH OUT Fire hazard! Gasoline and vapors are easily inflammable!
	Watch out for particles generated by the cutting installation		The exhaust fumes are toxic and can cause suphocation !

5 SPECIFIC SAFETY INSTRUCTIONS FOR BUSH CUTTERS

- FOLLOW ALL WARNINGS and instructions regarding operation and blade installation.
- BLADE CAN RECOIL VIOLENTLY FROM MATERIAL IT CANNOT CUT – Blade can cause you to lose arms or legs. Keep people and animals 50 feet (15 meters) away in all directions. If blade contacts foreign objects during operation, turn off engine and allow blade to come to a halt. Then check blade for damage. Always discard blade if it is warped or cracked.
- INSPECT YOUR TRIMMER AND ATTACHMENTS BEFORE USE - Never use unless all blade attachment hardware has been properly installed.
- BLADE COASTS AFTER THROTTLE IS RELEASED - A coasting blade can injure you or bystanders. Before servicing the blade, always turn off engine, and be sure coasting blade has stopped.
- WARNING DO NOT USE ANY OTHER FUEL than that recommended in your manual. Always follow instructions in the Fuel and Lubrication section of this manual. Never use petrol unless it is properly mixed with 2-cycle engine lubricant. Permanent damage to engine will result, voiding manufacturer’s warranty.
- DO NOT SMOKE while refueling or operating equipment.
- DO NOT OPERATE UNIT WITHOUT A SILENCER and properly installed silencer shield.
- DO NOT TOUCH or let your hands or body come in contact with a hot silencer or sparking plug wire.
- DO NOT OPERATE UNIT IN AWKWARD POSITIONS, off balance, with outstretched arms, or with one hand. Always use two hands when operating unit, with thumbs and fingers encircling the handles.
- DO NOT RAISE STRINGHEAD above ground level while unit is operating. Injury to operator could result.
- DO NOT USE UNIT FOR ANY PURPOSES OTHER than trimming lawn or garden areas.
- DO NOT OPERATE UNIT FOR PROLONGED PERIODS. Rest periodically.
- DO NOT OPERATE UNIT WHILE UNDER THE INFLUENCE OF ALCOHOL OR DRUGS.
- DO NOT OPERATE UNIT UNLESS DEBRIS SHIELD AND/OR GUARD IS INSTALLED AND IN GOOD CONDITION.

- DO NOT ADD, REMOVE OR ALTER ANY COMPONENTS OF THIS PRODUCT. Doing so could cause personal injury and/or damage the unit, and void the manufacturer's warranty.
- DO NOT operate your unit near or around inflammable liquids or gases whether in or out of doors. An explosion and/or fire may result.
- DO NOT USE ANY OTHER CUTTING ATTACHMENT. Only use our replacement parts and accessories, which are designed specifically to enhance the performance and maximize the safe operation of our products. Failure to do so may cause poor performance and possible injury. Use only the stringhead supplied with this product. Do not use any other cutting attachment. Use of such attachments will void your factory warranty and may result in serious bodily injury.

6 PETROL SAFETY WARNINGS



WARNING: Use extra care when handling fuels. They are inflammable and the vapours are potentially explosive. The following points must be observed.

- Use only an approved container.
- Never remove the fuel cap or add fuel when the engine is running. Allow engine exhaust components to cool before refueling.
- Do not smoke.
- Never refuel the machine indoors.
- Never store the machine or fuel containers in places where there is a naked flame, such as a water heater.
- If fuel is spilt, do not attempt to start the power source before moving the machine away from the spillage area.
- Always replace and securely tighten the fuel cap after refueling.
- Whenever the tank is drained, this should be done outdoors.

7 ASSEMBLY

7.1 *Two-handed fork handle*

- Loosen the handle screws and place the handle into the holder, as depicted in the main figure.
- Re-tighten the screws and verify they are properly tightened.



Warning: Make sure the grip is properly mounted and check it regularly. Parts, which are not properly mounted, represent a risk of injury.

7.2 *Mounting of the protective cover (Fig. 1)*

- Assemble protective cover as fig. 1 illustrates, note that the bolts should be tightened.
- 2 fixing bolts are already assembled on the protective cover. Just remove them from the screw openings first, then place the protective cover again and attach to the aluminum tube (5).

7.3 *Trimmer mounting (Fig. 2)*

- Put part (B) onto the output axle of part (C)
- Screw the spool(A) into the output axle and tighten it manually .

7.4 Cutting blade mounting (Fig. 3)

- Fit the upper plate (E) to the output axle.
- Turn the blade axle until one of the holes in the upper plate align with the hole in the gear housing (G).
- Insert a lock pin in the hole (G) so that the axle is locked. Place the blade (D), low plate (C) and plate housing (B) on the output shaft. Fit the nut (A). Use the socket spanner in the tool kit. Hold the handle of the spanner as close to the blade guard as possible. The nut is tightened when the spanner is turned against the direction of rotation (left-hand thread).



Attention! During your work with the cutting device always wear work gloves in order to avoid cutting injuries.



Attention! Use only metal cutting blades, which are not damaged or twisted.

The cutting blade may be removed in the opposite sequence.



Attention! The cutting blade's drill hole diameter must exactly match the turntable diameter.

7.5 Assembling the debris shield (Fig. 4)

- Fasten the cord cutter (A) to the shield (C) with a ST3.5x12 screw as shown.
- Attach the shield extension (B) to the shield bottom.

7.6 Adjusting the harness

- On the front is an easily accessible, quick release latch.
- Pull out the red strap.
- The hip strap and one shoulder strap will be automatically released at the same time.

8 FUEL AND LUBRICATION

8.1 Fuel

Use unleaded gas mixed with 2-cycle engine oil in the ratio 40:1. It will guarantee the unit's optimum performance.



Caution! Do not ever use pure gasoline in your unit. It could permanently damage the engine and exclude warranty claims concerning this product. Never use a fuel mixture, which has been stored for more than 90 days.



Caution! Use only first class 2-cycle oil mixed in the ratio 40:1. Do not use 2-cycle oil with the recommended mixing ratio 100:1. In case of damage caused by insufficient lubrication no warranty claims will be possible.

8.1.1 Mixture of gasoline and oil in the ratio 40:1

First of all, pour oil into the mixing bottle and then add gasoline in order to mix it with the oil. Shake the bottle properly in order to reach a good mixture.



Caution! Insufficient lubrication excludes warranty claims. Gasoline and oil must be mixed in the ratio 40:1.

9 OPERATION

9.1 Unit operation



Attention! Do not use the unit with out its protective cover. Always check the unit's condition before you use it.

Before setting the unit into operation, check the unit's safety, especially for:

- On/Off stop control
- Gas lever and its holder
- Operation of protective devices
- Firmness, damage, and worn-out cutting components
- Grips/handles - must be clean and dry

9.2 Use of the belt



- Equip the attached harness.
- Turn on the engine, return the throttle lever to the lowest speed position, and put the harness hook to the hanging part of the machine.
- Adjust the length of the harness so that the blade may be parallel to the ground in the working position. In order to prevent slack during operation, turn up to ensure the extra length of the band and not loose.

9.3 Engine starting (cold engine)



Attention! Never start the engine near the refueling site.

Important: Before starting the unit cut the cutting string to 13 cm in order to avoid an engine overload during starting.

- Place the unit on a firm and flat surface. Make sure the cutting components do not touch any items or the floor.
- Set the on/off stop control (7) to its "ON" position.
- Press primer bulb 7 to 10 times, until the air bubbles are out.
- Shift the choke lever (13) to its position marked "".
- Pull the starter rope grip a few times in order to provide the engine with enough fuel/air mixture. Pull until the engine starts
- Keep running until the motor is warm enough.
- Move the choke lever around half open position.
- Apply full gas and. •Let the engine run for 10 seconds in order to heat up. Push briefly the gas lever (9), the engine will idle.
- Move the choke lever (13) to its position marked "".
- If the engine does not start, repeat steps 2-10.



Attention! If the engine does not start after two attempts, try to start it without choke. If even that does not work, then the engine is "flooded". Follow the instructions specified in the chapter - "Engine does not start".

9.4 Engine starting (hot engine)

A hot engine is to be started without choke. Start it in the same way as a cold engine but make the starting position around half way open.

9.5 Engine shutdown

- Release the gas lever (9).
- Turn off ignition by pressing on the on/off stop control (7).

9.6 Engine idle check

If the gas level is not pressed, the cutting components must not move during idle engine. Attention! After the unit's shutdown the cutting attachment will keep spinning for a few seconds.

9.7 General operating instructions

- During engine starting and its operation keep the cutting components away from all body parts, especially from hands and legs.
- Regularly remove any dirt from the protective cover, the cutting attachment, and the cutting device. The engine must be off during that activity.

9.8 Work with the spring spindle



Attention! Use only original cutting components. Use of metal wire instead of plastic string is forbidden.

Always hold the cutting attachment close to the ground and slowly swing the unit. Do not hold the cutting attachment under any angle and do not lift it above the ground.

- Cut long grass through layers from its top downwards.
- During cutting around trees, fence posts or other obstacles slowly proceed with the unit around objects and cut grass with the string tips.
- Avoid contact with solid items (stones, walls, wooden fencing etc.). The string may wear out very rapidly.

9.8.1 Cutting string extension

Your unit is equipped with an automatic tapping dual string mechanism, i.e. both strings will become extended when you tap the ground with the cutting attachment. If the strings are initially longer than the given cutting diameter, the line cutting blade will automatically adjust their length. Attention! Regularly remove dirt from the line cutting blade. Otherwise, its cutting effect will be limited.

In case of a decreasing cutting performance:

Start the engine and hold the unit above grass. Hit the ground with the cutting attachment. The string will extend itself automatically.

- In case it becomes impossible to extend the string:
 - Turn the unit off
 - Properly insert the spindle and strongly pull the string end.
- In case you do not see the string tips:
 - Change the string spindle.

9.9 Work with the metal cutting blade

Attention! During your work always wear the belt and suitable work clothes. Make sure the cutting blade is properly mounted. Damaged and blunted unit components must be replaced. There is a risk of injury.

- Use the cutting blade on free and flat surfaces. Carefully check all the areas to be treated and remove all the foreign objects. Avoid any contact with stones, metal or other obstacles. The metal cutting disk could become damaged and there is also a risk of kicking.
- During your work, hold the cutting attachment close above the ground and move the unit like a regular scythe from side to side.
- Do not hold the cutting attachment under any angle and do not lift it above the ground.

- Do not use the unit for the cutting of shrubs, brushwood or underwood.
- Regularly check the metal cutting blade's condition and change damaged cutting blades.

10 CLEANING AND MAINTENANCE



ATTENTION! Let any repair and maintenance work not described in these instructions be carried out by a professional service shop. Only use original replacement parts. Any maintenance and cleaning tasks should only be carried out when the motor is switched off and the ignition disconnected. Risk of injury! Let the machine cool down before undertaking any maintenance or cleaning tasks. Parts of the motor are hot. There is a risk of getting burned!

- This tool corresponds to the relevant safety provisions.
- Repairs, service and maintenance must be carried out exclusively by authorized service workshops/trained professionals.
- Only original spare parts may be used for repairs; otherwise there is a risk of injury for the operator.

10.1 *Unit cleaning*

Subject your unit to regular cleaning and care. It will deliver good performance for a very long time.

- After every operation clean the cutting attachment of grass and soil.
- Clean the unit with a soft brush or a rug.
- The unit must not be sprayed with water or submerged into water.
- Do not use any detergents or cleaning solutions. The unit could be damaged. Chemical substances could negatively affect the unit's plastic components.

10.2 *Air filter*

The air filter should be cleaned regularly removing dust and dirt to avoid:

- Carburetor malfunction
- Starting problems
- Reduced engine power
- Unnecessary wear to engine parts
- Abnormal fuel consumption

Cleaning the air filter:

- Dismantle the air filter cover and remove the air filter.
- Wash in clean, warm soapy water.
- Ensure that the filter is dry before refitting.
- An air filter used for a long period of time can never be cleaned completely. Therefore it is necessary to replace the air filter from time to time with a new filter.



Attention! Do not ever use the unit without its air filter. The filter must be kept clean. A damaged filter must be replaced with a new one.

10.3 Change/adjustment of the spark plug



Attention! Worn-out spark plugs or too large distance between breaker contacts decrease the engine performance.

- Turn the unit off.
- Disconnect the sparkplug cable from the spark plug.
- Unscrew counterclockwise the spark plug with a spark plug key. Do not use any other tool in order to prevent any damage.
- Use a control template (available at specialized shops) and check the distance between the breaker contacts. The distance must be 0.635 mm.
- If necessary, correct the distance by carefully bending the ignition arch of the spark plug.
- Clean the spark plug with a wire brush.
- Insert a cleaned and adjusted spark plug or replace the damaged one by a new one.
- Reconnect the spark plug cable.

10.4 Carburetor adjustment

The carburetor was adjusted to optimum performance already during production. If the carburetor requires readjustment, have it done at a specialized expert repair shop.

11 TROUBLESHOOTING

PROBLEM	CHECK	STATUS	CAUSE	REMEDY
Engine cranks-starts hard/does not start	▪ Fuel at carburetor	▪ No fuel at carburetor	<ul style="list-style-type: none"> ▪ Fuel strainer clogged ▪ Fuel line clogged 	<ul style="list-style-type: none"> ▪ Clean or replace ▪ Clean or replace ▪ See dealer
	▪ Fuel at cylinder	▪ No fuel at cylinder	▪ Carburetor	▪ See dealer
		▪ Muffler wet with fuel	▪ Fuel mixture too rich	<ul style="list-style-type: none"> ▪ Open choke ▪ Clean or replace air filter ▪ Adjust carburetor
	▪ Spark at end of plug wire	▪ No spark	<ul style="list-style-type: none"> ▪ Power switch off ▪ Electrical problem ▪ Interlock switch 	<ul style="list-style-type: none"> ▪ Turn switch on ▪ See dealer ▪ See dealer
Engine runs but dies or does not accelerate properly	▪ Spark at plug	▪ No spark	<ul style="list-style-type: none"> ▪ Spark gap incorrect ▪ Covered with carbon ▪ Fouled with fuel ▪ Plug defective 	<ul style="list-style-type: none"> ▪ Adjust to 0.65mm ▪ Clean or replace ▪ Clean or replace ▪ Replace plug
	▪ Air filter	▪ Air filter dirty	▪ Normal wear	▪ Clean or replace
	▪ Fuel filter	▪ Fuel filter dirty	▪ Contaminants residues in fuel	▪ Replace

	▪ Fuel filter	▪ Fuel vent plugged	▪ Contaminants residues in fuel	▪ Clean or replace
	▪ Spark plug	▪ Plug dirty worm	▪ Normal wear	▪ Clean and adjust or replace
	▪ Carburetor	▪ Improper adjustment ▪ Excessive dirt/debris	▪ Vibration	▪ Adjust
	▪ Cooling system		▪ Extended operation in dirt/dusty locations	▪ Clean
	▪ Spark arrestor screen	▪ Screen cracked or perforated	▪ Normal wear	▪ Replace
Engine does not crank	▪ N/A	▪ N/A	▪ Internal engine problem	▪ See dealer

12 TECHNICAL DATA

model	POWEG8012
Engine	Air cooled 2 stroke engine
Cylinder content:	42,7 CC
Power:	1,25 kW
Tank content:	1,2 l
Mowing width threading head:	460 mm
Wire diameter:	2,4 mm
Cutting width knife	255 mm
Rotation speed grass trimmer	8000 min-1
Rotation speed brush cutter	8500 min-1
Spark plug	CDK

13 NOISE

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

Acoustic pressure level LpA	88 dB(A)
Acoustic power level LwA	110 dB(A)



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

aw (Vibration)

7,5 m/s²

K = 1,5 m/s²

14 TRANSPORTATION

- Turn off the motor during transportation of the tool.
- During transportation, the protection should be fastened around the blade.
- During transportation in a vehicle, the tool should be placed in such a way as to prevent any fuel leakage.
- If your appliance is to be transported, the fuel tank must be completely emptied.
- When unloading your appliance from the vehicle after transportation, make sure that the motor does not hit hard against the ground. This could cause severe damage to the fuel tank.

15 STORAGE

Caution! Not following the following instructions may lead to deposits in the carburetor and to permanent damage.

- Execute all the recommendations concerning maintenance specified in the "Maintenance and care" chapter.
- Clean the engine outside surface, the shaft housing, the protective cover, and the string attachment.
- Drain fuel from the tank.
- After fuel drainage, start the engine.
- Let the engine run at idle until it stops. As a result of that, no fuel will remain in the carburetor.
- Let the engine cool off (for approximately 5 minutes).
- Remove the spark plug with the spark plug key.
- Pour a little bit of 2-cycle engine oil into the combustion chamber. Pull the starter rope grip a few times - oil will spread. Replace the spark plug.
- Store the unit in a cool and dry place, which is remote from sources of fire like oil burners, water heaters etc.

16 RESETTING IN OPERATION

- Remove the spark plug and pull the starter rope fast, in order to remove oil from the combustion chamber.
- Clean the sparkplug or replace it, if necessary.
- Prepare the unit for resetting in operation and fill the tank with the correct mixture of fuel and oil (40:1).

17 WARRANTY

- This product is warranted as provided by law for a 24 -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 authorized 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), inexpert 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.

18 ENVIRONMENT

Should your appliance need replacement after extended use, do not discard it with the household rubbish but dispose of it in an environmentally safe way.

Please dispose of used motor oil in a manner that is compatible with the environment. We suggest you take it in a sealed container to your local service station for reclamation. Do not throw it in the trash or pour it on the ground.

19 DECLARATION OF CONFORMITY

VARO-Vic. Van Rompuy N.V. - Joseph Van Instraat 9 - BE2500 Lier - BELGIUM,
declares that,

Product: Bush cutter: Gasoline operated
Trade mark: PowerPlus
Model: POWEG8012

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 up to the date of signature);

2006/42/EC

2014/30/EU

2000/14/EC

Annex V

LwA

Measured 106dB(A)

Guaranteed 110dB(A)

European harmonized standards (including, if applicable, their amendments up to the date of signature);

EN ISO 11806-1 : 2011

EN ISO 14982 : 2009

Keeper of the Technical Documentation : Philippe Vankerkhove, VARO – Vic. Van Rompuy N.V.

The undersigned acts on behalf of the company CEO,

Philippe Vankerkhove
Regulatory Affairs – Compliance Manager
30/11/2020, Lier - Belgium