



PETROL HEDGE TRIMMER 26CM³

RAC27PHT-1



**READ THIS INSTRUCTION MANUAL BEFORE USE. KEEP THIS MANUAL FOR
FUTUR REFERENCE**

BUILDER
ZI, 32 RUE ARISTIDE BERGES 31270 CUGNAUX, FRANCE



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1. SAFETY INSTRUCTIONS

WARNING! Before using this tool, please read these instructions of safety and use. It will help you to use safely the machine and reduce the risk of electrical shocks and accidents. If you give this tool to another person, also give this manual.

Use this tool as described in this manual. Any mishandling and any use contrary to instructions will not in any way engage the liability of the manufacturer.

Non-compliance with safety instructions and use can cause a risk of electric shock, fire and / or injury to persons.

- Do not start it before you familiarized yourselves well with all the functions of this material.
- Never allow children to use the hedge trimmer.
- Work only during in the day or with a sufficient artificial light.
- Before starting to work, check the condition of the tool.
- Ensure that all the parts of the machine are well fixed and tightened.
- Control regularly that the blade of cut is in good state.
- Always hold firmly the hedge trimmer with the two hands.
- Never take or hold the hedge trimmer by the blade.
- Maintain clothing out of reach blade as well with the stop as under operation.
- Keep the device distant from all shapes of sparks, flames and flammable materials.
- Control that the places of work are free from all shapes of obstacles.
- Work with precaution, be not distracted, and do not be under the influence of alcohol or drugs being able to disturb your reflexes and your reactions. If such were the case, you could run and make even run of serious accidents to you and the others.
- Dry using a dry rag all possible gasoline traces.
- In case of accident, immediately stop using the machine. Check the problem. Do not use the machine while the machine is damaged.
- Operate the machine only at reasonable hours – not early in the morning or late at night when people might be disturbed;
- When blockage, immediately turn off the engine with the STOP button. Let the tool cool down. Correct the anomaly before starting again to work.
- When a danger or a non intended situation arise, stop to work immediately and switch off the tool. Restart to work when there is no danger and you are able to work safely.
- Cut before the large branches with a hand shears to avoid the blocking of the blade.
- Pay attention not to cut iron wire or others.
- Use only the accessories provided by the manufacturer.
- Use only the mixture recommended by the manufacturer.
- Store the mixture in a specific container for the gasoline.
- Keep the device in a quite dry place and out of reach of children.
- Store the mixture only on free air or in a well-ventilated place. Handle the fuel with precaution, it is highly flammable.
- Do not smoke or use telephone when you handle gasoline.
- Use a funnel and fill the tank only when the engine is cold.
- Do not open the tank if the engine is hot, as under operation.

- Take care to hold you far away from the exhaust to avoid the risks of burns.
- Maintain the people and the animals far away from the working area.
- Always remind that this machine can cause very serious incidents.
- Do not work under the rain and/or in places wet and/or slipping.
- Do not expose to the rain.
- Do not use the tool during bad weather conditions.
- Use complete personal protective equipment during the use of the tool: gloves, antiskid footwear, helmet, eyes protection, protection clothes, mask of protection.
- Do not use the machine when you are tired, under the influence of alcohol or drugs or sick.
-



- Never use hedge trimmer inside a building. Your hedge trimmer produces toxic exhaust fumes as soon as the engine is started. The use of this product can generate dust, vapours and smoke containing chemicals known for their harmful effects on health. So be careful during the use of your machine and protect yourself correctly. Also avoid voluntarily breathing exhaust fumes; always hold the machine correctly when you use it.

Explanation of the symbols



Security standards



Read the instruction manual before use



Do not expose to rain.



This CE sticker attests conformity with the European standards of safety.

- Wear adapted protective clothing, because remains can be projected by the machine. Use a working clothes adjusted well with the body and without floating parts as well a protection for the head for the people having long hair which could be caught in the moving parts of the device.



Use anti skidding shoes of work and be maintained quite assured on its two legs. Wear protective gloves for any intervention on the blade.



Wear ear protection



Wear head protection.



Wear eyes protection.



Do not approach the hands of the blades during operation.



Caution: do not touch the muffler. He is very hot.

Residual risks

Even if you use this product in compliance with all safety requirements, the potential risks of injury and damage remain. The following hazards may arise in the structure and design of this product. Always be vigilant when using this product, so you can recognize and manage the risks rather. Rapid intervention can prevent serious injury and property damage.

- There are harmful health consequences resulting from the emission of vibrations if the product is used for long periods of time or not properly managed and properly maintained.
- There is risk of injury and property damage due to attachments or broken the sudden impact of hidden objects.
- Risk of injury to persons and property caused by flying objects.
- Prolonged use of this product exposes the operator to vibration and can produce so-called "white finger" disease. To reduce the risk, wear gloves and keep your hands warm. If any of the symptoms of "white finger syndrome" occur, seek immediate medical attention. Symptoms of the "white finger" include numbness, loss of sensitivity, tingling, tingling, and pain, loss of strength, color changes or skin condition. These symptoms usually appear on the fingers, hands or wrists. Risk increases at low temperatures
- Inhalation of particles
- Inhalation of exhaust gases
- Unattended projections
- Contact with foreign objects
- Contact with the tool in operation
- Hearing loss in the absence of correct hearing protection

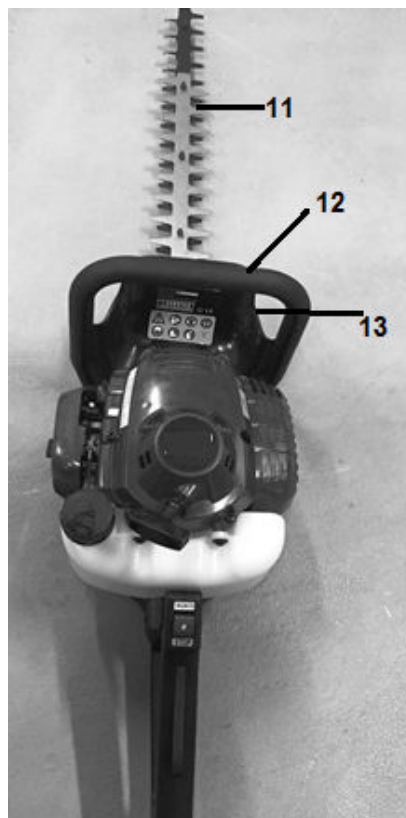
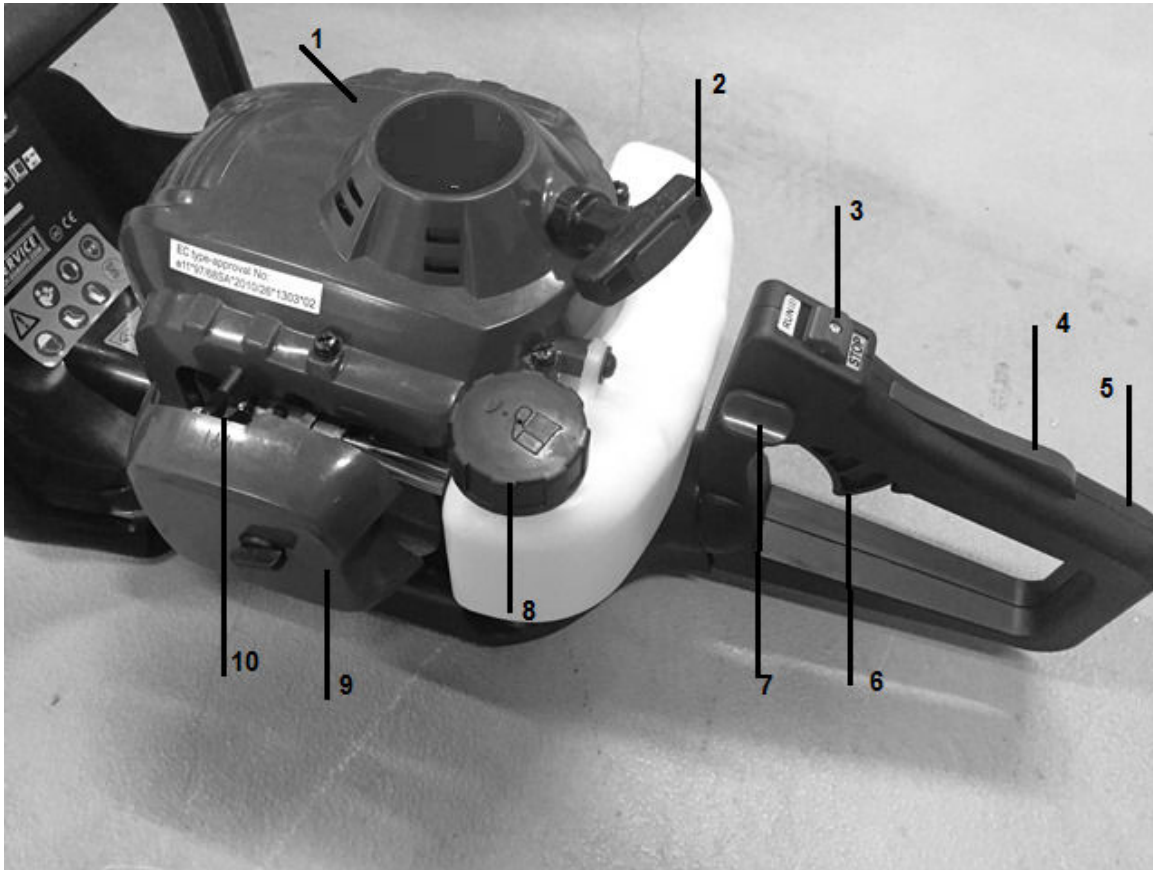
Intended use

This product is only intended to hedge trimmer.

- The use of accessories other than those provided by the manufacturer can appear dangerous.
- Any use different from that recommended or any modification of the device increases the accident risks considerably. The manufacturer declines any responsibility in the event of incidents resulting from a use different from that recommended or in the event of modification of the device.
- This device was not designed for a professional use.

2. YOUR PRODUCT

a. Description



1. Engine
2. Recoil starter
3. RUN/STOP button
4. Throttle trigger lockout
5. Rear handle
6. Throttle trigger
7. Handle Locking knob
8. Fuel tank
9. Air filter compartment
10. Choke lever
11. Blade
12. Front handle
13. Hand protection
14. Cover blade protection

The tool is also provided with a bottle for fuel/oil mixture and wrenches.



b. Technical data

Displacement	26cm ³
Max engine speed	10000min ⁻¹
Max engine power	0,75Kw/7500min ⁻¹
Mixture oil / gasoline.	4% (1:25)
Type of gasoline for mixture	Unleaded 95 RON
Fuel tank capacity	600ml
Cutting length	560mm
Width teeth	28mm
Weight	5,8 kg
Gross Weight	7 kg
Sound pressure level	LpA : 86.5dB(A) K = 3 dB(A)
Sound power level	LwA : 106.5dB(A) K = 2.14dB(A)
Level of sound power guaranteed	LwA : 109dB(A)
Handlebar level of vibration	Rear handle 4.956 m/s ² (K = 1,5 m/s ²) Front handle 4.764 m/s ² (K = 1,5 m/s ²)

3. FILLING WITH FUEL

a. Basics precaution

- Always use extreme care when handling fuel! Fuel is highly flammable.
- Do not fill the tool with fuel if the fuel system components are damaged or are leaking.
- Never attempt the refuel the engine while it is running or still warm, allow it to cool before fuelling.
- Never smoke or light any fires near the tool or fuels.
- Always transport and store fuels in an approved container.
- Do not use petrol which contains ethanol or methanol as it may damage the fuel lines and other parts.
- Mix only enough fuel for your immediate needs.
- Never use a mixture oldest than 30 days.

b. Mixture

Carry out the mixture with **unleaded 95 RON** added **with special 2 strokes synthetic oil in the proportion of 3.3%** (an oil share for 30 gasoline shares).

Example:

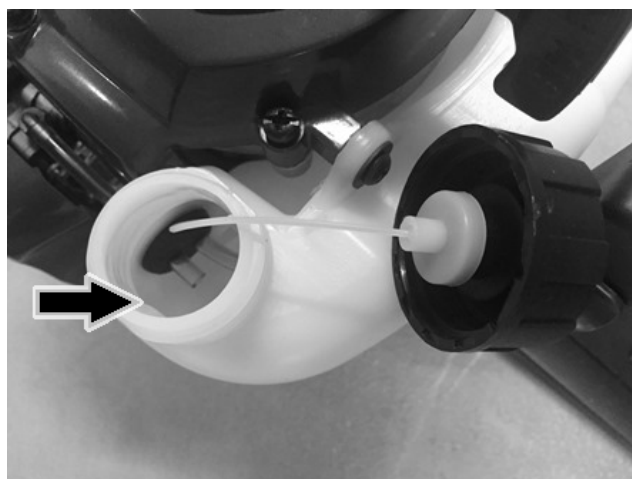
- For 1l gasoline to add 3.3 oil cl
- 2l gasoline to add 6.6 oil cl
- 3l gasoline to add 9.9 oil cl... etc.

Vigorously mix the fuel and oil in the provided vessel. Do not mix directly in the fuel tank of the tool.

Caution: Do not use a percentage different from that recommended by the manufacturer and never use pure gasoline.

c. Filling

- Unscrew the fuel cap of the fuel tank and put the mixture using a funnel (take care not to wear synthetic clothing at the time of this operation in order not to risk an electric arc being able to cause a dangerous explosion.).



- Wipe the tank and the engine of any possible gasoline traces.
- Close the fuel tank with its cap.

4. OPERATION

Use this device only when you are absolutely sure to control all the functions of it well. In case of doubts, read again this handbook or inform yourself near a qualified person and/or your retailer. Ensure to be able to easily turn off the engine with the STOP button of the handle.


a. Before cutting

- Make sure that the tool is properly assembled.
- Inspect the work area. Remove any materials or objects that may damage the tool or cause accidents.
- Remember that you must wear full protective gear and keep spectators away from the work area.
- Be careful to have a good walk and balance. Hold the tool with both hands firmly and keep it at an ideal distance from your body.

a. Cold start of the engine

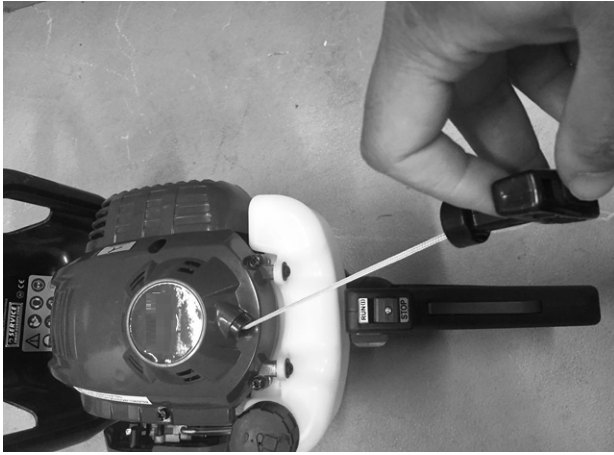
- Put the RUN/STOP switch on the position RUN.





- Put the choke lever on the position 



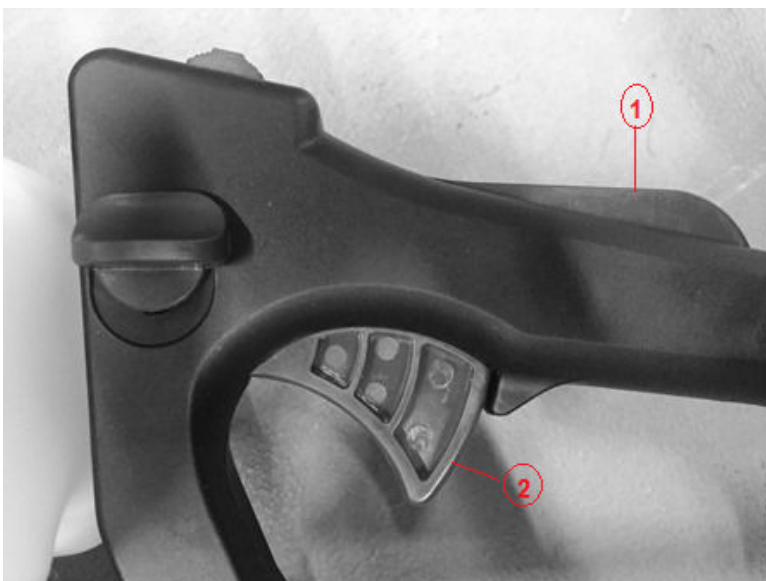
- Put the hedge trimmer on a flat and stable ground.
- Vigorously pull 4 or 5 times the recoil starter until obtaining the starting of the engine.



- If engine starting is not obtained, put the choke lever on the position  and pull again the recoil handle 4 or 5 times and until the tool starts. In all the cases, after starting, put the lever of the choke on 



- Push and hold throttle trigger lockout (1) and then push the throttle trigger (2).



b. Warm start of the engine

- Put the RUN/STOP switch on the position RUN



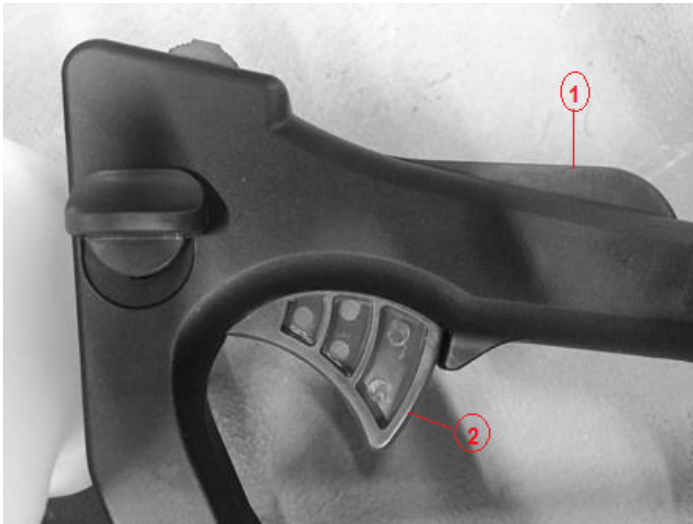
- Put the choke lever on the position



- Pull on the recoil handle to obtain starting.



- Push and hold throttle trigger lockout (1) and then push the throttle trigger (2).



c. Shutdown

- Release throttle trigger switch and the throttle trigger lockout.
- Put the RUN/STOP switch on STOP.



d. Cutting techniques

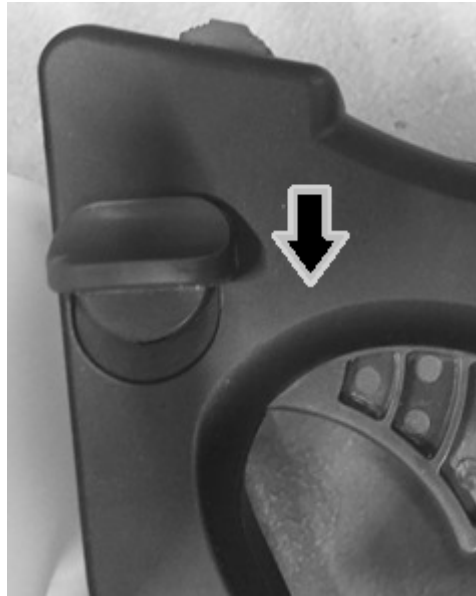
- Position a hand on the rear handle so as to press on the lever of safety and the other hand on the front handle. Accelerate the engine while pressing on the accelerator lever of the handle.
- Maintain an engine speed in order to profit of the best power of cut available.
- Immediately stop the engine with the STOP button if you run up against either a stone or a too large branch. Control the state of the blade after any similar incident. Do not put back on the way in case of doubt.
- Always be vigilant and well ensured on your two legs when you are using the hedge trimmer and more especially on difficult grounds, sloping or are positioned on a scale.
- It is recommended to cut the trapezoidal hedges to prevent the lower branches from being stripped. This corresponds to the natural growth of plants and hedges can be potentially prosperous. The cut makes the new annual shoots reduced, so a dense branching and a good protection of the sight must be considered.
- First cut the edges of a hedge. Move the hedge trimmer to cut the part that grows greatly from bottom to top. If you cut from top to bottom, the thinner branches move outward; Narrow places or holes may form.

- Cut the top of the hedge, just like a roof or a round shape.
- Cut the seedlings into the desired shape. The main stem must be intact and remain until the hedge reaches the proposed elevation. All other shoots should be cut to half.

e. Use of the revolving handle

Press downwards and hold the blue button which is located on rear the handle of the tool. Turn the rear handle to change the position of cutting.

The rear handle can be swiveled to 3 positions, center, left 90°, or right 90°



Do the same operation to put the handle on the original position.

NOTE: This operation must be done the tool switched off.

5. MAINTENANCE AND STORAGE

Before any maintenance operation on the material turn off the engine with the STOP button and withdraw the spark plug cap.

When cleaning, do not use detergents, solvents or objects being able to stripe.

a. After each use

- Clean the body of the tool by using a soft cloth.
- Clean all the air intake and moving parts with a brush. Use protective gloves during this operation.
- Check all parts of the tool (cleanliness, wear, damage, etc.). If you notice damage, wear, or malfunction, do not use the tool and bring it to a qualified service for inspection and reparation.
- Regularly oil the blade. Use only biodegradable oils.

b. Spark plug

- Control and clean periodically the electrodes of the spark plug, especially after long periods of non-utilization.
- The correct adjustment between the two electrodes is of 0.6/0.7 mm.
- During the reassembly tighten the spark plug with the torque of 12/15 Nm.
- Put back in place the spark plug cap.

c. Adjustment of the carburettor

The carburettor of the engine was adjusted in factory. When it's necessary, bring the tool to a qualified service agent to perform this operation.

d. Repairs

Repairs and annual maintenance shall be provided by a service agent. The user must no bring repairs by itself. The spare parts must be recommended by us. Do not uses spare parts than can affect the health and safety of the operators. Contact us for more advice.

e. Storage

Empty the tank completely as soon as the mixture is oldest than thirty days or make function the engine until exhaustion of the fuel. In this second case empty the gasoline residues located at the bottom of the tank.

Let cool the engine and dismount the spark plug.

Store the hedge trimmer in a dry place. Put the blade cover on the blade when transport and storage in order avoid accidents and injuries.

The tool must be stored out of the reach of children.

f. Information about the cutting of the hedges

The persistent hedges must be cut if possible in April and/or in August.

The hedges with always green sheets must be cut in June and in October

Conifers as well as the shrubs with rapid growth must be cut every six weeks as from May

Warranty

We guarantee this product for 2 full years.

The warranty period for this item starts on the day of purchase. You can prove the date of purchase by sending us the original receipt.

We insure over the entire warranty period:

- Free repair of possible malfunctions.
- Free replacement of damaged parts.
- Including the free service of our specialized personnel (i.e. free assembly by our technicians)

Provided that the damage is not due to improper use of the device.

To help you with your product, we invite you to use this link or call us on +33 (0)9 70 75 30 30:

<https://services.swap-europe.com/contact>

You must create a "ticket" via their platform:

- Register or create your account
- Indicate the reference of the tool
- Choose the subject of your request
- Explain your problem
- Attach these files: Invoice or receipt, identification plate photo (serial number), photo of the part you need (eg broken transformer plug pins)



6. DECLARATION OF CONFORMITY



GB / DECLARATION OF CONFORMITY



BUILDER

ZI, 32 rue Aristide Bergès – 31270 Cugnaux – France
Tel : +33 (0)5.34.502.502 Fax : +33 (0)5.34.502.503

declares that the machines:

PETROL HEDGE TRIMMER 26CM³

Model: RAC27PHT-1

Serial No.: from xxxxxxxx to xxxxxxxx

the people name holding the technical file: Mr. Olivier Patriarca

have been designed in compliance with the following standards:

EN ISO 10517:2019

EN ISO 14982:2009

EN ISO 3744:1995 & ISO 11094:1991

And in accordance with the following directives:

Machine Directive 2006/42/EC

EMC Directive 2014/30/EU

EMISSION Directive 2016/1628/EU & 2018/989/EU

Noise Directive 2000/14/EC Annex V & 2005/88/EC

Measured sound power level: 106.5dB(A)

Guarantee sound power level : 109dB(A)

Cugnaux, **02/01/2020**

Philippe MARIE / PDG