

Catalogue 2016-2017

Local authorities | Green and urban spaces



Power tools for professionals



www.pellenc.com



THE COMPANY

INTRODUCTION	4
AWARDS AND TROPHIES	5
AN INTERNATIONAL DISTRIBUTION NETWORK	6
INDUSTRIAL ORGANISATION	8
THE COMPANY AND ITS DEPARTMENTS	10
TECHNOLOGY AND DESIGN	12
WEBSITE AND SOCIAL MEDIA	124

OUR PROFESSIONAL TOOLS

BATTERIES	ULTRA LITHIUM BATTERY ULIB	14
CHARGERS	SOLERION	22
	STANDARD AND QUICK CHARGERS	23
	POWER CONVERTOR 1000	24
MOWERS	RASION BASIC NEW	26
	RASION SMART NEW	34
BLOWER	AIRION 2 NEW	42
PRUNING SHEARS	PRUNION NEW	50
SWEEPER	CLEANION NEW	58
HEDGE TRIMMERS	HELION	66
BRUSH CUTTER	EXCELION 2000	74
	CITY CUT	82
LAWNMOWER	EXCELION 1200	84
CULTIVATOR	CULTIVION	92
PRUNERS	SELION C21 HD	100
	SELION M12	108
	SELION POLE	116



PELENC, INNOVATION THAT ENHANCES YOUR PERFORMANCE

For over 40 years, the PELLENC Group has based its development on a dynamic innovation policy that has led to the filing of 457 patents and numerous awards attesting to the excellence of its products. In just a few years, the PELLENC Group, forerunner of professional power tools, has become a leader in this sector, with its exclusive Ultra-High Performance Lithium-Ion battery technology and Brushless motors. Today, PELLENC is the only manufacturer that can claim 10 years' of mastery of these technologies, which guarantee the performance, reliability and the level of battery life that you want from your PELLENC tools.

In 2016, PELLENC is launching VINION and PRUNION – its 6th generation of fruit and vine growing pruning shears and their batteries. These shears, which are designed and manufactured in France at the PELLENC site in Pertuis (in the Vaucluse Department), include remarkable innovations in design, technology and materials that allow them to combine lightness, ergonomics, speed and cutting quality. This year also marks the expansion of the range with the towed mower RASION Smart, the new CLEANION sweeper, equipped with different accessories, Particularly for cleaning roads and clearing snow, and finally, the marketing of AIRION 2, which is more powerful and lighter than the first generation model. PELLENC is aware of the needs of its customers, and especially their need to equip themselves more easily. As such, it is also innovating in the service area by offering "0% Credit" financing. Get more details about this offer from your local dealer.

Today, the PELLENC Group, with its 1,250 employees, 16 subsidiaries, 6 industrial sites in France and Europe, and more than 800 distributors around the world, has established itself as a major player in the field of specialised agriculture. The PELLENC Group thus combines a firm commitment to the national economy with the strengthening of its market position on all continents, fostering close relationships with its clients.

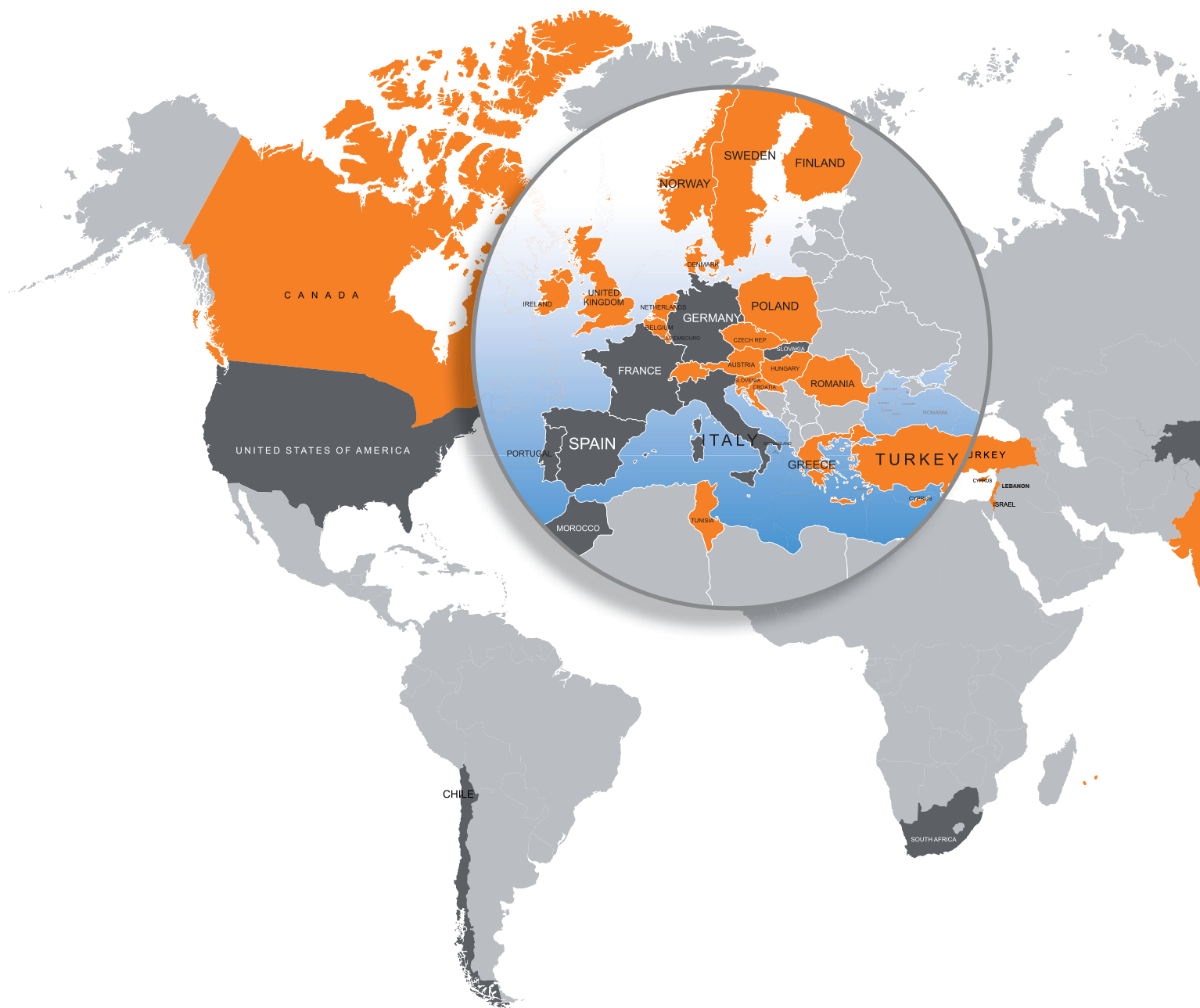
Finally, the PELLENC Group, sensitive to environmental issues, has implemented a global sustainable development policy. In addition to developing its range of "Zero emission" tools, the company managed to implement an industrial tool that meets the eco-construction standards and optimised logistics thus reducing waste and the impact on the environment.

I thank you for your confidence in the PELLENC Group, and invite you to discover the full range of machinery, equipment and tools that we have developed for you.

Roger Pellenc
Managing Director

AWARDS AND TROPHIES

2015	PRUNION	SITEVI: Silver medal at the Innovation Awards
	RASION	AGRILEVANTE: Commendation
	CITY CUT	AGRILEVANTE: Technical Innovation Award
2014	LARGE COMPANY AWARD	Ministry of the Environment: Environment & Business Awards 2014 Eco-products for Sustainable Development
	RASION	SMCL: Innovation Award
	SELION C21 HD	EIMA - FEDER UNACOMA: Commendation for technological innovations
	EXCELION 2000	AGROVINA: 3 rd Prize for innovation
2013	EXCELION 2000	PAYSALIA: 1 st Prize for Innovation
		DEMOPARK: Silver medal
		SALON DES MAIRES: Finalist
		AGRILEVANTE: 1 st Prize
2012	ZERO EMISSION DESIGN	SALON VERT: Sustainable development Prize
		EDGE: Sustainable development Prize
	AIRION	AQUIFLOR: 3 rd Prize for innovation
2011	POWER TOOLS RANGE	EXPOLIVA: Jury commendation
	POLY 5	DEMOPARK: GOLD medal
	AIRION	DECIBEL D'OR
		SALON DES MAIRES: Innovation Prize
		EDGE: European Innovation Prize
2010	SELION M12	SIVAL: Commendation
		AGRILEVANTE: Technical Innovation Prize
	SELION M12	VINITECH: Bronze medal
	AIRION	SALON VERT: Environment and sustainable development award
		EDGE: European award for environment and sustainable development



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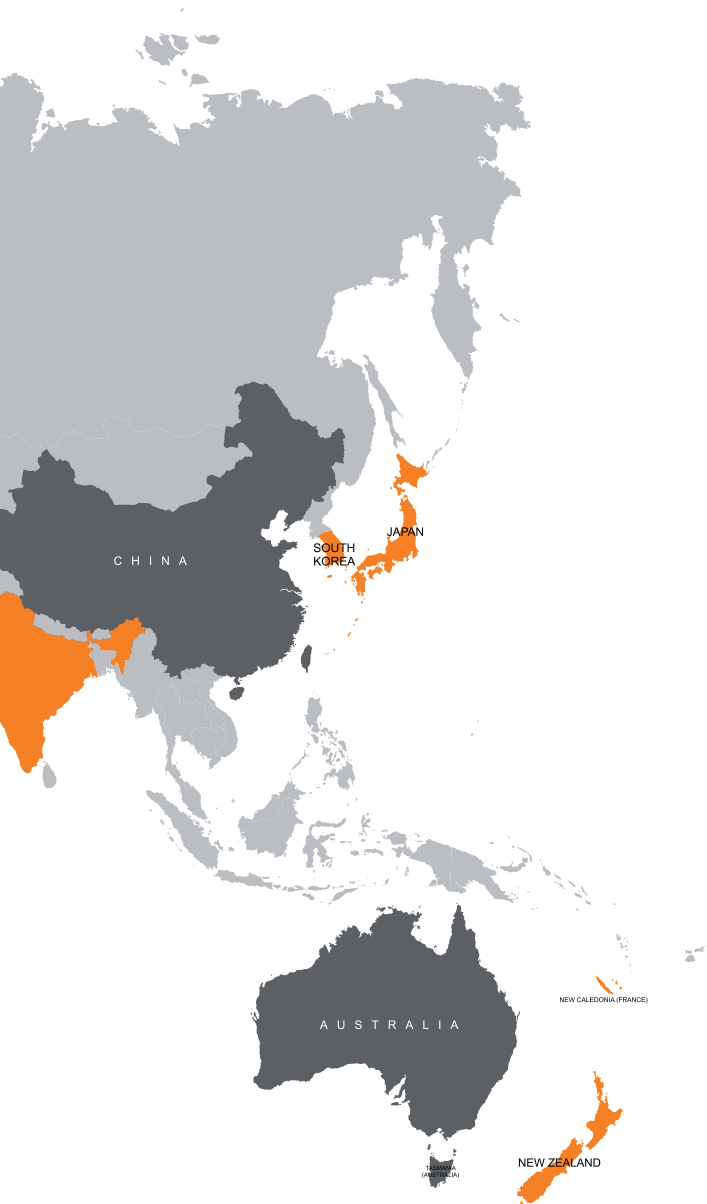
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PELLENC is a French group of international dimension, with more than 800 distributors, present worldwide. Wherever you are, there is always a PELLENC contact to answer your needs.



■ Subsidiaries/Production Sites

South Africa, Germany, Australia, Chile, China, Spain, USA, France, Italy, Morocco, and Slovakia.

■ Authorised dealer countries

South Africa, Austria, Belgium, Canada, Cyprus, Croatia, Denmark, Finland, Greece, Hungary, Mauritius, India, Ireland, Israel, Lebanon, Luxembourg, Norway, New Caledonia, New Zealand, Portugal, Czech Republic, Reunion Island, Romania, United Kingdom, Slovenia, Sweden, Switzerland, Tunisia, and Turkey.

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PELLENC China

PERA PELLENC

PELLENC HD

A MODERN PROFESSIONAL TOOL

PELENC designs and manufactures its machines, equipment and tools to the highest quality standards by combining industrial performance and environmental responsibility. The Group invests nearly € 3 million per year for the maintenance and development of its industrial equipment at its six production sites, which include more than 1,150 employees, in addition to the optimisation of its logistics organisation. This policy allows PELENC to naturally adhere to the requirements of sustainable development by integrating green building standards, reducing waste, promoting recycling at the source, and limiting the environmental impact of its activity.



The group's head office at Pertuis, in the Vaucluse department - France

INTEGRATED DESIGN & PRODUCTION

By placing your trust in PELLENC, you are guaranteed the professionalism of an undisputed leader in professional hand-held tools and a benchmark in the fields of viticulture, fruit growing and green spaces. Today, PELLENC lends its experience and expertise to customers specialising in park and garden maintenance, local authorities, forests, golf courses... When you buy a PELLENC product that has been designed and produced in a cohesive manner, you also benefit from advanced technology and unrivalled quality.

DESIGN

PELLENC has developed an integrated Technocentre located at the company's headquarters in Pertuis, in Provence, consisting of engineering offices, an electronic laboratory, and prototype workshop that employs hundreds of engineers. The Research & Development structure creates new technologies and designs the tools of the future. It results in making PELLENC the world's 1st manufacturer to offer a full range of professional electrical tools dedicated to green space maintenance, viticulture and orchards. Numerous exclusive patents have evolved from this technocentre (more than 466 for Green & City Technology at group level), a fact of which PELLENC is extremely proud, for example: the axial turbine of the AIRION blower, the electronic chain brake of the SELION C21 HD chainsaw, the multipurpose cutting head of the EXCELION brush cutter, and the blade anti-blocking system of the HELION 2 hedge trimmers.



PRODUCTION

PELLENC produces tens of thousands of tools in its own plants every year. Each tool is systematically controlled in the framework of "total quality" insurance that involves all of the operators on the assembly lines. Before leaving the factory, each product is tested to verify the parameters of its operation. In addition, our products are subjected to intensive testing with a rigorously selected group of customers who take part in improving the quality and performance of our tools.



A PROXIMITY NETWORK EXPERTS AT YOUR SIDE

The PELLENC network of licensed professionals includes more than 800 experts trained in PELLENC technology and its innovations each year. Committed to a qualitative approach and proximity, the PELLENC network provides advice on the use of our tools, regular demonstrations of the range, and offers a responsive after sales service required for the continued maintenance of its client's activity.



AFTER-SALES DEPARTMENT

Not only are our After-Sales Department technical experts trained in the technological developments of the PELLENC range, they are also thoroughly familiar with our customers' businesses. The After-Sales service operates in all countries where the brand is present and provides technical expertise at a distributor near you.



TRAINING

As an accredited technical and sales training facility, PELLENC trains the teams of its distributors. They come to our training centre to obtain approval for carrying out repairs on the full range of PELLENC tools and batteries, as well as for providing users with advice.



CERTIFIED ORIGINAL PARTS

To extend the service life of your equipment and to safeguard the warranty for your tool, **PELLENC recommends that you only use certified original PELLENC parts.** Your authorised PELLENC dealer will be able to inform you about the wear parts replacement programme for your tools.

Contact your PELLENC distributor!



WARRANTY NEW

Starting in January 2016, the PELLENC range **of tools and batteries** are also covered by a **two-year warranty.** PELLENC avoids the immobilisation of tools during the warranty claim period thanks to its distributor network where spare parts are kept in stock to minimise downtime during repairs.



EXTENDED WARRANTY

As of the expiry of the two-year commercial warranty, a one-year warranty extension is possible for the range of tools and their batteries, giving you peace of mind for up to three years.



THE FULL SERVICE PACK*

A COMPREHENSIVE OFFERING THAT MAKES YOUR LIFE EASIER



FINANCING

Offer your company the best technology with our credit and leasing financing offers (LOA). Organise your investments and control your cash flow using a simple formula. Scan this code for an online information request.



RENTAL

Whether you want to respond to a specific request or take full advantage of the latest technological developments offered by PELLENC, you can temporarily access the range of tools and associated services thanks to a short-term rental offer.



THE PRO COMMITMENT CHARTER

By signing this charter, PELLENC tool dealers commit themselves to providing you with a quote or **repair the tool within 48 hours** in case of a malfunction. If you cannot use your for more than 48 hours, **a courtesy tool will be provided.**



MAINTENANCE PACKAGE

The trained and approved distributors in the PELLENC network are **authorised to repair the full range of tools** for use in green spaces. Annual maintenance is performed according to PELLENC recommendations, which **guarantees the tool's durability over time** and optimises productivity. All information concerning annual maintenance operations is available from your PELLENC dealer.

* These services are available to users of PELLENC power tools in countries whose distribution network participates in the "full service" program offered by PELLENC.

ULTRA-HIGH-PERFORMANCE ELECTRIC MOTORS

PELENC EXPERTISE

As a pioneer in power tools, PELLENCE integrated Brushless motor technology in its first pruning shears in 1987. PELLENCE has since developed a number of power tools. All of these tools use revolutionary PELLENCE Brushless motors which bring power and flexibility to your tools while reducing their consumption, weight and size for precise, fatigue-free work.



THE ADVANTAGES

ENVIRONMENT

Our Brushless motors emit no direct emissions and are 95% recyclable. They are very quiet and can be used in noise sensitive areas such as hospitals, nurseries, and urban environments.

LIFESPAN

The lifetime of the PELLENCE Brushless motors is theoretically infinite since there is no friction or wear, and therefore, no spark. The motor stops completely every time the trigger is released.

EFFICIENCY

The PELLENCE Brushless motors are both powerful and compact and can rotate up to 29,000 rpm and deliver outstanding efficiency of over 90%. These electronically commutated motors contain no carbon and require no maintenance.

ZERO EMISSION DESIGN

AN AUTONOMOUS ENERGY CONCEPT AND ZERO EMISSION PRODUCTS



Since 2004, PELLENC has heavily invested in activities targeting the research and development of "green" technologies to meet the requirements of sustainable development.

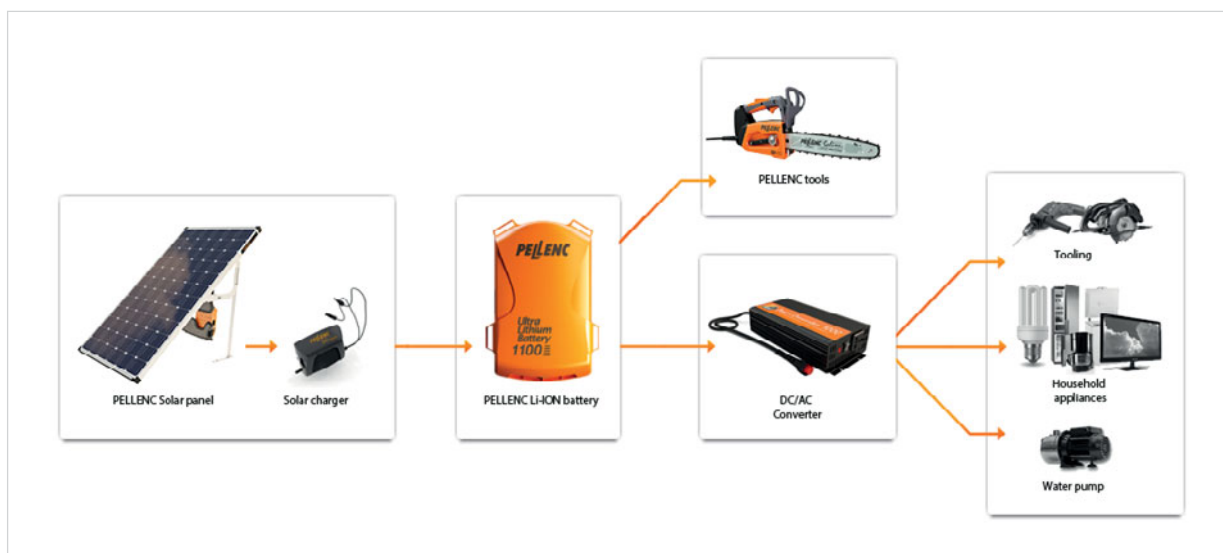
The PELLENC Zero Emission concept, which is the culmination of years of research, is based on the production, storage and use of renewable energy for professional use. On this basis, PELLENC offers custom packs to best meet your energy needs.

This technology was recognised in 2014 by the Ministry of the Environment and ADEME (THE FRENCH ENVIRONMENT & BUSINESS AWARDS 2014 - IN THE CATEGORY "ECO-PRODUCTS FOR SUSTAINABLE DEVELOPMENT").

When you use PELLENC tools:

- You create no direct emissions
- You contribute to the respect of the environment.

Using the products that make up the ecological package allows users to be independent in the production, storage and use of electrical energy. For local authorities, landscapers, farmers, campgrounds and golf courses, among others, the ecological package is individually created to best meet your energy needs.



Basic Package: a PELLENC ultra high-capacity and multifunction ULiB battery, a SOLERION solar panel, and a POWER CONVERTOR 1000 energy converter.



PELENC

Ultra
Lithium
Battery
1100

PELENC



ULTRA LITHIUM BATTERY (ULiB) 10 YEARS OF TECHNOLOGICAL EXPERTISE



DEMOPARK

2011
GOLD MEDAL

POLY 5

We have been using PELLENC material for its efficiency and low noise for the past two years. At the national domain of Saint-Cloud, classified as an historical monument, these machines allow us to carry out maintenance work while respecting the public who comes here seeking a place of tranquillity. The blower is used to keep the entrances clean. The pole pruners are used to even out the crowns of the rows of chestnut trees. They are light and effective with their cutting angles.

Damien Bouvet
Centre des Monuments Nationaux
Ministry of Culture and Communication, France

ULTRA LITHIUM BATTERY A BATTERY WITH ADVANTAGES

The range of PELLENC ULiB batteries enables professional use of our tools. ULiB batteries allow the user to work up to a full day without recharging. PELLENC is the inventor of professional battery operated tools.



PELENC ADVANTAGES

PROFESSIONAL

- Light batteries: from 0.85 kg to 6.1 kg.
- Battery life of up to a full day's work.
- Multifunction battery: the same battery can be used to operate any tool from the Pellenc HAND-HELD POWER TOOL RANGE.

ERGONOMIC

- Carrying harness which effectively and evenly distributes the weight of the battery.
- Breathable mesh fabric.
- Velcro attachment for threading the cable.
- Instant start-up in cold or hot weather.
- No fuel preparation required.

ENVIRONMENT

- No direct CO₂ emissions.
- No exhaust fumes.
- 80% of the battery is recyclable.

COST-EFFECTIVE

- From 800 to 1,500 cycles (one cycle corresponds to one full charge and one full discharge).
- Daily cost of €0.10*.
- Over its lifetime, the 1100 battery is equivalent to using 4,700L of petrol and 60L of fuel-oil mix.
- Battery pays for itself in the first year.*
- Return on investment of €5,000.**

* Cost of charging according to kW pricing in France.

** Consumption of 5 litres of fuel-oil mix per day at a price of €1.50 per litre. Data calculated for daily use of the ULiB 700 battery.

You will save money by replacing your old combustion engine tools with PELLENC tools! Once a battery is paid for, you can yield the profits of your investment for the remaining duration of its life.

RETURN ON INVESTMENT TABLE

Work it out for yourself

Example of return on investment after 800 cycles using the ULiB 700.

DAILY CONSUMPTION OF YOUR HEAT ENGINE EQUIPMENT

	Using a 2-stroke mix*	Using ready to use fuel
L/day	5 L	5 L
Cost of 1 L	€ 1.50	€ 4
Daily cost	€ 7.50	€ 20

* The regulation requires the substitution

IF YOU BUY A PELLENC 700 ULiB BATTERY

Daily cost	€ 0.10	€ 0.10
Savings per day	€ 7.40	€ 19.90
Paid off in	130 days	50 days
Return on investment	€ 5,000	€ 15,000



27 kg* of CO₂

VS



5.2 tons** of CO₂

* Direct emissions of CO₂/day with a PELLENC hedge trimmer

** Direct emissions of CO₂/day with a combustion engine hedge trimmer

GARANTIE / GARANTY
2 ans / years

Ergonomic harness
for optimum comfort

Upper clip helps
to properly distribute
the weight of the battery

Lithium-ion
battery

Dual support system
allows for ventilation
of the operator's back

Adjustable belt

Operating time display

Electronic board
for controlling charging
and discharging



Battery storage box
(400, 700, 1100, Poly 5),
harness and charger,
protects your equipment
from bumps and rain

100% ABS plastic casing fitted
with protective foam.
Transportable and stackable.
Dimensions: H 420 mm, W 396 mm, L 296 mm.
Empty weight: 2.7 kg - Ref. 118544
Box is not approved for UN transport.

BATTERIES THAT ARE SMARTER AND COMMUNICATE

The range of PELLENC batteries boasts 10 years of experience in lithium-ion technology. As the world's first manufacturer to introduce this technology in professional hand-held power tools, PELLENC now develops batteries that communicate and are intelligent.

■ THEY COMMUNICATE FASTER

NFC (Near Field Communication) wireless communication technologies facilitate the reception of data during diagnostics, allowing the battery expert to work even faster.

■ THEY MANAGE THEIR CHARGE AND DISCHARGE TIME

Li-ion batteries lose their capacity when stored for prolonged periods fully loaded. PELLENC batteries maintain their full load for 10 days and then discharge themselves to an optimum storage load.

■ THEY HAVE A SURVIVAL INSTINCT

They guarantee the balance and individual protection of each of its cells to prolong its life. The charge periods are optimised whatever the remaining capacity in the battery may be (no memory effect).

■ THEY RECOGNISE PELLENC TOOLS

PELLENC tools send PELLENC batteries their operating information for continuously optimised use.

The batteries are adaptable to all tools of the range.

■ THEY CAUSE NO POLLUTION

The batteries are guaranteed emissions-free. They store electrical power for communities, landscapers, farmers, and tourist complexes. They do not generate any annoying noises or odours and are environmentally-friendly.

THE BATTERIES

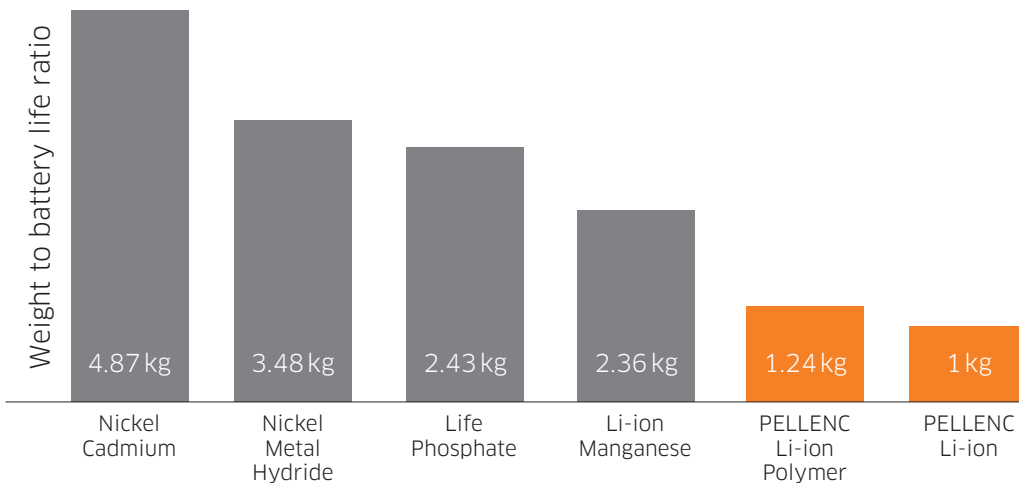
ULTRA-HIGH CAPACITY

PELLENC ultra-high capacity batteries have the best weight/energy ratio!

The 1100 Ultra Lithium Battery develops 245 Wh for 1 kg of Li-ion. PELLENC is the world's first manufacturer to use the revolutionary lithium-ion ternary technology (Nickel-Cobalt-Aluminium).

To generate the same amount of energy, a nickel cadmium (Ni Cd) battery would weigh 4.87kg, a nickel metal hydride (NiMH) battery would weigh 3.48kg, a lithium iron phosphate battery (technology used for electric vehicles) would weigh 2.43kg and a lithium-ion manganese battery (technology used for hand-held power tools used by the public) would weigh 2.36kg!

Mass of the cells for 254 Wh



Record battery life

ULiB batteries allow you to work from a half to a full day. The power delivered is always constant regardless of the level of energy. All PELLENC batteries have a display showing the remaining battery life percentage.



PELLENC electronically-controlled lithium-ion battery

Control of the lithium-ion battery cells is fully ensured by an electronic board. The battery temperature is controlled during charging. If it is too low or too high, the battery automatically switches to safety mode.

PELLENC patent



ULiB	150P	250	400	700	1100	POLY5
Weight (without harness) - kg	0.850	<1.7	3.2 NEW	5.2 NEW	6.1	3.4
Weight (with harness) - kg***	-	-	3.8	5.8	6.7	-
Type	Li-ion	Li-ion	Li-ion	Li-ion	Li-ion	Li-Po
Voltage - V	43.2	43.2	43.2	43.2	43.2	44.4
Capacity - Ah	3	5.8	9	17.4	23.2	10.6
Stored energy - Wh	130	250	389	752	1,003	500
Maximum power - W	1,730	1,730	2,000	2,000	2,000	2,000
Average life - Cycles	800	1,000	800 to 1,200	800 to 1,200	800 to 1,200	1,200 to 1,500
Charge time - h	8	5	5	8	12	8
Carrying harness	•	•	•	•	•	•
1.2A charger	•	•	•	-	-	-
2.2A charger	-	-	-	•	•	•
Compatible with Quick Charger**	-	-	-	yes	yes	yes
Compatible with SOLERION	yes	yes	yes	yes	yes	yes

* A cycle is a full battery charge and full discharge.

** The Quick Charger is available as an option.

*** Weight of harness between 200 gr and 950 gr.

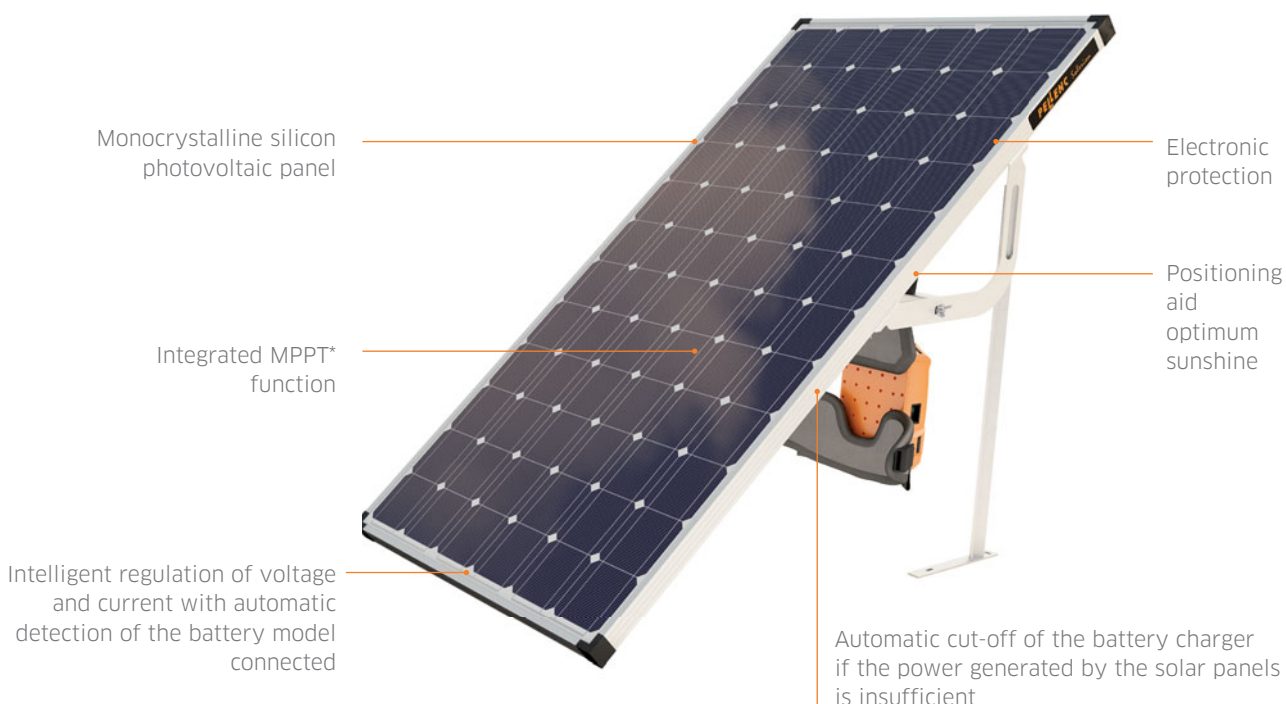
* Comes standard



SOLERION

THE SOLAR RECHARGING SYSTEM

Once the photovoltaic (PV) panels have been installed at the operating site, the Solerion makes use of the solar energy converted by the PV panels, thanks to the MPPT* load regulator, for optimum recharge of the connected battery.



SOLERION	
Max. power (at 1000 W/m ²) - W	280
Charging voltage - V	50.2
Max. charging current at 1000 W/m ² (Excellent insolation) - A	5.2
Max. charging current at 600W/m ² (Average insolation) - A	2.9
Stop charge current - mA	200
System dimensions (LxIxH) - mm	1,950x995x500
Weight - kg	32



Solerion solar panel

* MPPT (Maximum Power Point Tracking): This function allows the optimum power drawn to be permanently tracked so that the photovoltaic panels can be subsequently supplied with the maximum peak power.

STANDARD AND QUICK CHARGERS



STANDARDS 1.2 A - 2.2 A

Once the battery is completely discharged, the tool stops automatically and the battery buzzer beeps intermittently. The standard charger, supplied with the battery (1.2A charger for 200, 400 and Poly 5 batteries and 2.2A charger for 700 and 1100 batteries) can then recharge your battery over a variable period. The charge time depends on the battery level, the charging environment (dry and ventilated area, protected from dust and with a temperature of between 10° C and 25° C) and the age of your battery. The standard charger comes standard with the battery and harness. Before using the battery for the first time at the start of a new season, it must be fully charged (99% steady capacity).



"QUICK CHARGER"

The quick charger will help boost battery charging. For improved durability of the batteries, PELLENC strongly recommends performing a conventional charge (with the standard charger) after every five quick charges. With the rapid charger, the charging time of the 700 and 1100 batteries is reduced by an average of 3-4 hours, keeping in mind that after 1.5 hours to 2 hours, the capacity has already reached 70%.

The Quick Charger is available as an option.

CHARGER AND BATTERY CHARGE TIME

CHARGERS*	400	700	1100	POLY 5
1.2A standard charger	9h	15h	22h	9h
2.2A standard charger	5h	8h	12h	5h
Quick Charger	1h30 min (starting in 2016)	3h	4h	2h
SOLERION: with low insolation	4h	6h40	11h	5h
SOLERION: with normal insolation	3h	3h30 min	5h	2h40

* Charging time calculated in optimal conditions. Refer to the battery instructions for conditions.

AN EXCEPTIONAL SERVICE LIFE

Intelligent charge system that optimises the service life. Batteries enter a discharge cycle after 10 days of non-use, for optimal storage for 24 months. You just need to remember to store the batteries fully charged. PELLENC lithium-ion batteries do not suffer from memory run-down.

POWER CONVERTER 1000

THE CONVERTER THAT TRANSFORMS THE BATTERY VOLTAGE TO 230 VAC

Combined with a PELLENC battery, the POWER CONVERTOR 1000 is the solution for storing and using electrical energy. Thanks to this product, all electrical appliances below 1000 W can operate autonomously: domestic appliances, drills, jackhammers, etc..

The output voltage is pure sine wave (as on any electrical distribution network) to enable asynchronous motor control.
















SINE WAVE POWER CONVERTOR 1000

Rated power - W	1,000
Rated power over 1 second - W	2,000
Input voltage (PELLENC battery) - Vdc	36 - 52
Maximum input voltage - A	55
Pure sine wave output voltage - Vac +/- 5 %	230
Output current to 1000W maximum - A	4.5
Switchable output frequency - Hz	50/60
Protection rating	IP20
Weight - kg	2.7
Battery compatibility	ULiB 700, ULiB 1100, Poly 5

Caution: do not connect the Power Convertor 1000 to an electrical distribution network.

Recommendation for using the batteries and tools according to power and battery life.

	SPECIFIC BATTERIES		MULTI-PURPOSE BATTERIES			
	150 P	250	400	700	1100	POLY 5
Weight (without a harness or belt) - kg	0.850	1.6	3.2	5.2	6.1	3.4
 RASION BASIC *** mower	-	-	-	2 h 30 min	3 h 30 min	-
 RASION SMART *** mower	-	-	-	2 h 30 min	3 h 30 min	-
 AIRION 2 blower	-	-	1 h	2 h to 3 h 30 min	3 to 5 h	1 to 2 h
 PRUNION tree pruning shears	9 h	9 to 12 h	-	-	-	-
 CLEANION **** sweeper	-	-	-	Up to 2 h 30 min	Up to 3 h 30 min	-
 HELION 2 COMPACT hedge trimmers	-	1 h 30 min to 3 h	1/2 day	Up to 1 day	Up to 2 days	1/2 day
 HELION POLE AND TELESCOPIC POLE hedge trimmers	-	2 to 3 h	1/2 day	Up to 1 day	Up to 2 days	1/2 day
 CULTIVION soil cultivator	-	1 h 30 min to 2 h 30 min	2 to 4 h	Up to 1 day	Up to 2 days	3 to 5 h
 SELION pole chainsaw	-	30 min to 2 h	1 to 3 h	Up to 1 day	Up to 2 days	2 to 5 h
 SELION C21 pruner	-	30 min to 1 h 30 min	1 to 3 h	3 to 5 h	Up to 1.5 day	2 to 5 h
 SELION M12 chainsaw	-	30 min to 2 h	1 to 3 h	Up to 1 day	Up to 2 days	2 to 5 h
 EXCELION 2000 ** brush cutter	-	-	-	2 to 3 h	3 h to 4 h 30 min	1 to 2 h
 EXCELION 1200 mower	-	40 min	1 h	2 h to 3 h 30 min	3 to 5 h	1 to 2 h

* The battery life depends on the tool, its use and the nature of vegetation worked on.

** Battery life is calculated using the Eco mode.

*** Battery life calculated at speed 1.

**** In a state of maintenance.





NEW

RASION BASIC MANOEUVRABILITY AND REVOLUTIONARY ERGONOMICS!



AGRILEVANTE
2015
DISTINCTION

MINISTRY
OF THE ENVIRONMENT
2014
ENVIRONMENT & BUSINESS AWARD
"LARGE ENTERPRISE" AWARD
IN THE ECO-PRODUCT CATEGORY FOR SUSTAINABLE DEVELOPMENT

SALON DES MAIRES
ET DES
COLLECTIVITÉS LOCALES
2014
INNOVATION AWARD

RASION BASIC SUPERB HANDLING

Weighing less than 25 kg, the RASION BASIC lawnmower revolutionises working conditions for green space professionals. Ultra-maneuvrable, easily transportable and with unmatched power, RASION BASIC offers impeccable cut quality for all types of mowing work undertaken by landscapers and local authorities.



Silent mowing near residences, Chateau Chasse Spleen, Médoc - France



PELLENC ADVANTAGES

PROFESSIONAL

- Power of 1,100 W.
- Up to 3,600 m² of maintenance mowing with one ULiB 1100 battery.
- Electronic speed setting of the blades from 3,000 to 5,000 rpm.
- Cutting width: 60 cm.
- Synchronised dual blades.
- Automatic jam clearing.
- Even mowing with no wheel traces on the ground.
- 70 L capacity of the collection box, i.e., more than 10 kg of finely cut grass.
- Waterproofing level of IP55.

ERGONOMIC

- Less than 25 kg.
- Perfect handling thanks to its weight and its two front swivel wheels .
- Loading it into a vehicle can be done by one person.
- The vertical position, with folded handlebar facilitates transport and optimises space when stored.
- The Zero Turn function made possible with the two front swivel wheels allowing the mower to turn freely and effortlessly.
- Safe cleaning position.
- Cutting height can be adjusted centrally from 25 to 75 mm.

ENVIRONMENT

- It produces less noise, so you can work close to business or residential areas at any time.
- No management or consumption of fuel.
- Zero CO₂ emissions.
- Made from recyclable materials.
- Low maintenance.
- Uses ULiB 1100 and 700 batteries.

COST-EFFECTIVE

- New, high efficiency motor of 93% for reduced energy consumption.
- Dual blade technology for finer cutting and more compacting of the grass in the collection box.
- Can be transported in a small vehicle.
- 30% higher cutting yield in comparison with a conventional battery mower.



The front swivel wheels make it possible to effortlessly make a Zero Turn

PRODUCT ADVANTAGES



Electronic management of the blade speed

Chrome ON/OFF lever

Adjustable and manoeuvrable chrome handlebar

Notched knob for locking the handlebar

Aluminum clamping lever

70L grass collection box

Large, wide wheels

Cast aluminium casing





Cutting blades

The dual blades make it possible to cut the grass more precisely and optimise the mowing time. They offer even and flawless mowing.



Handlebar controls

Electronic speed setting of the blades from 3,000 to 5,000 rpm. The speed can be adjusted during mowing.



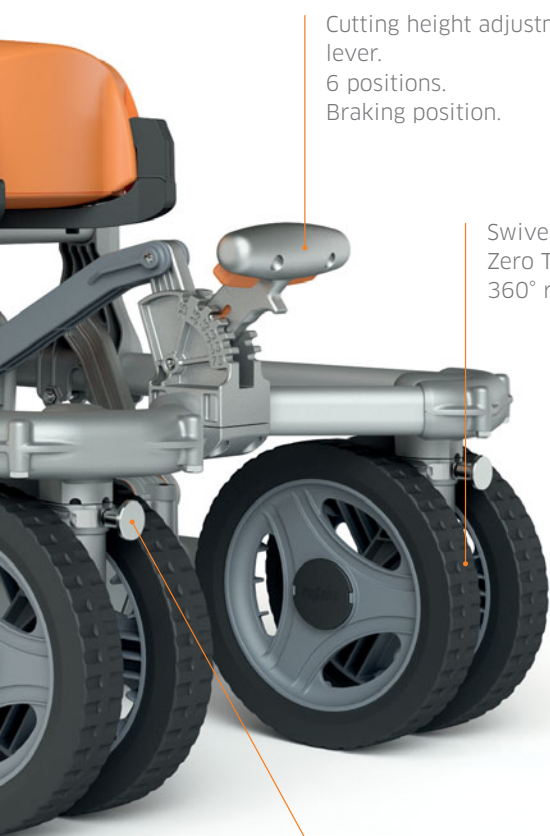
Storage

Storage position with a very small footprint. The mower can be turned over safely to clean the housing.



Transport

Transport position with the handlebar folded.



Cutting height adjustment lever.
6 positions.
Braking position.

Swivel wheels
Zero Turn
360° rotation

Wheel immobilisation system



Automatic jam clearing

Turns in the reverse direction to remove the grass blocking the way.

PELLENC patent

TECHNICAL CHARACTERISTICS

RASION BASIC	
Overall dimensions when unfolded, HxLxW - cm	114 x 155 x 62
Overall dimensions when folded HxLxW - cm	60 x 88 x 62
Cutting width	60
Weight (with box and battery) - kg	33.5
Weight (with box and without battery) - kg	27.5
Weight (without box and without battery) - kg	25
Cutting height mm (min/max), 6 positions	25/75
Max. power	1,100W
Blade speed: 3 speeds	3,000 to 5,000
Ejection	Rear
Mulching kit	Option
Guaranteed noise level (LPA)* - dB(A)	86
Collection bin - L	70
Box type	Flexible
Type of casing	Cast aluminium
Mower sealing	IP54
Surface Battery life	Up to 3,600 (Maintenance mowing)
Handling (Zero Turn)	YES
PELLENC Brushless motor	YES
Safety in the event of mechanical blade shock	YES
Safe cleaning (automatic deactivation of the blades)	YES
Folding handlebar in the bulk of the mower	YES
Vertical position (storage or cleaning)	YES
Diameter of front wheels - mm	178 (7')
Diameter of rear wheels - mm	305 (12')

COMPARATIVE TABLE OF CO₂ EMISSIONS

PELLENC professional power tools eliminate nearly 99% of direct emissions of greenhouse gases compared with a combustion engine, namely, 86 times less. And, if you recharge your PELLENC batteries with our Solerion solar charger, CO₂ emissions are totally eliminated.



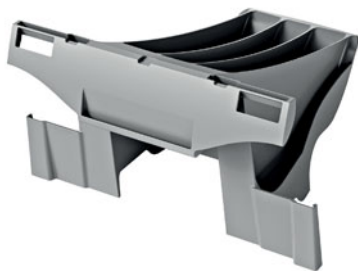
	COMBUSTION ENGINE OPERATED LAWNMOWER Direct emissions + petrol production	RASION BASIC Direct emissions + electricity production	WITH SOLERION Direct emissions
CARBON EQUIVALENT PER DAY	32 kg CO ₂	306 g CO ₂	0 g CO ₂

Specifications: 1kWh EDF corresponds on average to a carbon equivalent of 90g CO₂/kWh in France, covering production and the remainder of its life (ADEME-France) – 1 L of SP95 super fuel has a carbon equivalent of 2.5 kg CO₂/L in direct emissions and 5.5 kg CO₂/L in production + direct emissions – Basis: 6 h working day and 200 annual working days.

ACCESSORIES & CONSUMABLES

MULCHING KIT

For a perfect cut,
without collection.



Ref.: 120271

COLLECTING BIN

The 70L collection box can
hold more than 10kg of finely
cut grass.



Ref.: 120270

BLADES AND FASTENERS KIT

Set of high strength steel blades
and anti-shock safety attachments.



Ref.: 120269



NEW

RASION SMART POWERFUL, YET EFFORTLESS MOWING



AGRILEVANTE

2015
DISTINCTION

MINISTRY
OF THE ENVIRONMENT

2014
ENVIRONMENT & BUSINESS AWARD
"LARGE ENTERPRISE" AWARD
IN THE ECO-PRODUCT CATEGORY FOR SUSTAINABLE DEVELOPMENT

SALON DES MAIRES
ET DES
COLLECTIVITÉS LOCALES

2014
INNOVATION AWARD

RASION SMART

YOUR GARDENING BUSINESS FROM A NEW ANGLE

The variable speed model of the professional range of mowers surprises by its design as much as by its technicality. It is the lightest professional mower in its class, has a cutting width of 60 cm and is equipped with a double blade. RASION SMART was developed with the sole aim of improving the working conditions of its users.



Light and easy to manoeuvre, the RASION SMART mower has independent drive wheels to facilitate working on slopes and cants



PELLENC ADVANTAGES

PROFESSIONAL

- 1,100 W of power.
- Up to 3,600 m² of maintenance mowing with one ULiB 1100 battery.
- Electronic speed setting of the blades from 3,000 to 5,000 rpm.
- Electrical adjustment of the cutting height: 25 mm to 75 mm.
- Cutting width: 60 cm.
- Synchronised dual blades.
- Even mowing with no wheel traces on the ground.
- 70L capacity of the collection box, namely, more than 10 kg of finely cut grass.
- Automatic jam clearing.
- Mulching kit.
- Waterproofing level of IP54.

ERGONOMIC

- Weighs less than 30 kg.
- Automatic adjustment of the travel speed.
- Perfect handling thanks to its weight and its two front swivel wheels.
- The vertical position, with folded handlebar facilitates transport and optimises space when stored.
- The Zero Turn function made possible with the two front swivel wheels allowing the mower to turn freely and effortlessly.
- Directional left/right controller.
- Safe cleaning position.
- LCD control for all functions.
- Single arm handlebar for easy access to the box.

ENVIRONMENT

- It produces less noise, so you can work close to business or residential areas at any time.
- No management or consumption of fuel.
- No CO₂ emissions.
- Made from recyclable materials.
- Low maintenance.
- Uses ULiB 1100 and 700 batteries.

COST-EFFECTIVE

- New, high efficiency motor of 93% for reduced energy consumption.
- Dual blade technology for finer cutting and more compacting of the grass in the collection box.
- Can be transported in a small vehicle.
- 30% higher cutting yield in comparison with a conventional battery mowers.



The shape of the casing and the double blades optimise the filling of the box

PRODUCT ADVANTAGES



GARANTIE / GARANTY **2**
ans / years



Cutting blades

The dual blades make it possible to cut the lawn more precisely and optimise the mowing time. They offer even and flawless mowing.



Single arm handlebar

Allows quick and easy access to the collection box.



Zero Turn

With its two rear motors and front swivel wheels, this function eliminates unnecessary manoeuvres.



LCD screen

- Electronic speed setting of the blades from 3,000 to 5,000 rpm
- Electronically controlled five forward speeds: 1 to 5 km/h.
- Electrical adjustment of the cutting height: 25 to 75 mm.
- All settings can be adjusted while mowing.



Swivel wheels
Zero Turn
360° rotation

Wheel immobilisation
system



Grass sensor

Two optical sensors in the front of the mower detect the height of the grass and automatically adjust the rotational speed of the blades. The vegetation sensor optimises use of the battery's energy during rotation of the blades.

PELLENC patent



Automatic jam clearing

Turns in the reverse direction to remove the grass blocking the way.

PELLENC patent

TECHNICAL CHARACTERISTICS

RASION SMART	
Overall dimensions when unfolded, HxLxW - cm	114 x 155 x 62
Overall dimensions when folded HxLx W - cm	60 x 88 x 62
Cutting width	60
Weight (with box and battery) - kg	37.5
Weight (with box and without battery) - kg	31.5
Weight (without box and without battery) - kg	29
Electrically adjusted cutting height mm (min/max), 6 positions	25/75
Max. power	1,100W
Blade speed: 3 speeds	3,000 to 5,000
Ejection	Rear
Mulching kit	Option
Collection bin - L	70
Box type	Flexible
Type of casing	Cast aluminium
Mower sealing	IP54
Battery life in surface area with average Battery life of 3 km/h - m ²	3,600 (Maintenance mowing)
Handling (Zero Turn)	YES
PELLENC Brushless motor	YES
Automatic jam clearing	YES
Infrared grass sensor	YES
Safety in the event of mechanical blade shock	YES
Rollover and cleaning safety mechanism (deactivation of the blades)	YES
Folding handlebar in the bulk of the mower	YES
Vertical position (storage or cleaning)	YES
Reverse function	YES
Engine brake on the handle	YES
Unlocking of the wheels	YES
Diameter of front wheels - mm	178 (7')
Diameter of rear wheels - mm	305 (12')
Electronic height adjustment	6 positions
Progressive forward speed	1 to 5 Km/h

COMPARATIVE TABLE OF CO₂ EMISSIONS

PELLENC professional power tools eliminate nearly 99% of direct emissions of greenhouse gases compared with a combustion engine, namely, 86 times less. And, if you recharge your PELLENC batteries with our Solerion solar charger, CO₂ emissions are totally eliminated.



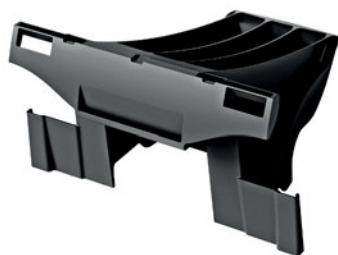
	COMBUSTION ENGINE OPERATED LAWNMOWER Direct emissions + petrol production	RASION SMART Direct emissions + electricity production	WITH SOLERION Direct emissions
CARBON EQUIVALENT PER DAY	32 kg CO ₂	306 g CO ₂	0 g CO ₂

Specifications: 1kWh EDF corresponds on average to a carbon equivalent of 90 g CO₂/kWh in France, covering production and the remainder of its life (ADEME-France) – 1L of SP95 super fuel has a carbon equivalent of 2.5 kg CO₂/L in direct emissions and 5.5 kg CO₂/L in production + direct emissions – Basis: 6 h working day and 200 annual working days.

ACCESSORIES & CONSUMABLES

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For a perfect cut,
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Ref.: 120271

COLLECTING BIN

The 70L collection box
can hold more than 10 kg
of finely cut grass.



Ref.: 120270

BLADES AND FASTENERS KIT

Set of high strength steel blades
and anti-shock safety attachments.



Ref.: 120269





NEW

AIRION 2 DURABLE CLEANING

AIRION 2

PERFORMANCE OFFERING EXCELLENT COMFORT

Protected against dust and moisture and 100% waterproof, AIRION 2 is designed to withstand the test of time. Perfectly balanced while being operated, AIRION 2 can be used for several hours without fatigue or tension in the wrist. Weighing only 2.550kg and providing effective thrust of 17.5N, AIRION 2 meets the needs of professionals in all weather conditions.

It is effective both in urban areas, near sensitive areas, in parks and gardens.



Equally effective in resorts and campsites



PELLENC ADVANTAGES

PROFESSIONAL

- 2.550kg with the actual weight of the cable.
- Effective unmatched thrust of 17.5N.
- Actual air flow of 920m³/h with the nozzle.
- Lifetime guaranteed thanks to a waterproofing level of IP54 that protects it from dust and rain, as well as a robust, magnesium alloy turbine body.

ERGONOMIC

- The tool stays perfectly balanced during operation, regardless of the speed.
- Maximum MSD prevention through respect for the vertical axis of work, from shoulder to wrist.
- Silent: only 79dB.
- Zero emissions and zero waste.

COST-EFFECTIVE

- More durability means more profitability.
- Battery can be used in all other tools of the range.
- Low maintenance.
- Unmatched Battery life for more productivity.



AIRION 2, the perfect partner for effortless, everyday urban cleaning



The flat nozzle delivers more speed for precision work in difficult areas

PRODUCT ADVANTAGES



GARANTIE / GARANTY 2
ans / years

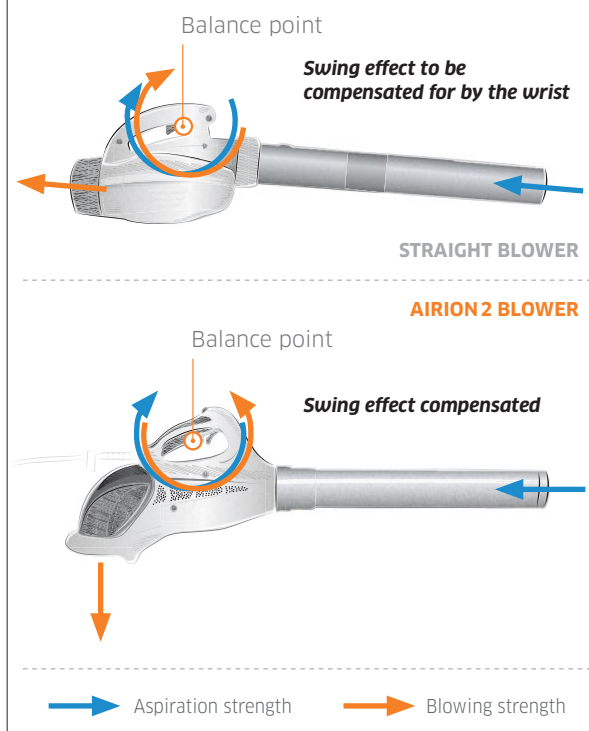
Tool and engine block
100% waterproof,
with a level of





The angled aspiration is a determining factor

A tip of the blower drops when subject to the effect of the air output and the wrist must make the effort to lift it. The AIRION 2 blower compensates for this phenomenon thanks to its angled intake, unlike straight blowers, which exacerbate the phenomenon.

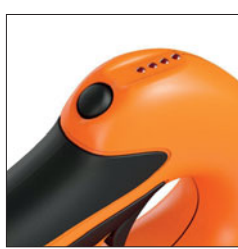


NEW

Intake grill

A new patent-protected air intake design dramatically improves user comfort while reducing the tool's noise levels.

PELLENC patent



Speed management

The AIRION 2 speed controller makes it possible to manage the blowing power based on the surface to be cleared. The boost function delivers maximum air flow and is available at each speed by simply keeping the button pressed.

The owing power of the AIRION 2 is enough to blow heavy objects such as large masses of water loaded leaves that are stuck to the ground.



Extended life motor

Protected against dust and moisture and 100% waterproof, AIRION 2 is designed to withstand the test of time. Its engine, designed with the precision of an aircraft component, is housed in a magnesium alloy body, giving it a total sealing level IP54. All of the mechanical parts are protected from dust and moisture, ensuring that it will withstand the test of time under heavy use and in all weather conditions. This patented technology, combined with advanced electronic management, ensures permanent cooling of the radiator, which is made of a light alloy allowing it to perfectly dissipate the heat inside the engine.

PELLENC patent

TECHNICAL CHARACTERISTICS

AIRION 2	
Effective thrust* (N)	17.5 (boost)/13.5 (speed 4)
Max. power - W	940
Weight of the tool with cable - kg	2.8
Weight of the tool without the cable - kg	2.45
Actual weight of the tool in use - kg	2.55
Actual airflow rate with round nozzle* - m ³ /h	920 (boost)/810 (speed 4)
Maximum airflow speed with round nozzle** - m/s	63 (boost)/55 (speed 4)
Maximum airflow speed with flat nozzle - m/s	69 (boost)/60 (speed 4)
Noise level (L _{pa})*** - dB(A)	79
Guaranteed sound level (L _{WA})*** - dB(A)	92
Sound pressure at 15 metres* - dB(A)	< 65
Vibration level**** - m/s ²	< 2.5 (0.5 actual)
4-speed selector switch + boost	•
Round nozzle	•
Flat nozzle	•
Battery life***** with ULiB 1100	Up to 5 h

- Standard
- * According to ANSI/OPEI B175.2-2012.
- ** With nozzle a diameter of 75 mm.
- *** Values determined according to the acoustic measurement standards NF EN ISO 11203, NF EN ISO 3744 and NF EN ISO 4871.
- **** Vibration emission value following DIN EN 60745-1:2009 - Kd uncertainty = 1.5 m/s².
- ***** For information: the times were observed in actual working time, without taking breaks into consideration. Battery life is influenced by the nature of the work carried out.

COMPARATIVE TABLE OF CO₂ EMISSIONS

PELLENC professional power tools eliminate nearly 99% of direct emissions of greenhouse gases compared with a combustion engine, namely, 86 times less. And, if you recharge your PELLENC batteries with our Solerion solar charger, CO₂ emissions are totally eliminated.



	COMBUSTION ENGINE OPERATED BLOWER Direct emissions + petrol production	AIRION 2 Direct emissions + electricity production	WITH SOLERION Direct emissions
CARBON EQUIVALENT PER DAY	20 kg CO ₂	234 g CO ₂	0 g CO ₂

Specifications: 1kWh EDF corresponds on average to a carbon equivalent of 90g CO₂/kWh in France, covering production and the remainder of its life (ADEME-France) – 1 L of SP95 super fuel has a carbon equivalent of 2.5 kg CO₂/L in direct emissions and 5.5 kg CO₂/L in production + direct emissions – Basis: 6 h working day and 200 annual working days.

ACCESSORIES & CONSUMABLES

ROUND BLOWING NOZZLE 65 mm



Best compromise between speed and air flow. Can be used with AIRION 1 and AIRION 2.

- ✓ Inner diameter of the nozzle: Ø 65 mm
- ✓ Length of the nozzle: 57 cm

Ref.: 83326

ROUND BLOWING NOZZLE 75 mm



For ideal performance combining with speed and air flow. Can be used with AIRION 1 and AIRION 2.

- ✓ Inner diameter of the nozzle: Ø 75 mm
- ✓ Length of the nozzle: 57 cm

Sold as standard
Ref.: 122863

NOZZLE WITH INTEGRATED SCRAPER



For lifting and removing all sticky or wet waste. Can be used with AIRION 1 and AIRION 2.

- ✓ Inner diameter of the nozzle: Ø 65 mm
- ✓ Length of the nozzle: 57 cm

Ref.: 102930

FLAT NOZZLE



Designed for precision work.

- ✓ Total length of the nozzle: 77 cm

Sold as standard
Ref.: 122865

COMPOSITE PROPELLER



Removable propeller.

Ref.: 83301

CARRYING STRAP



The harness further reduces the carrying weight.



Kit incorporating the strap and hook for attaching the blower on the left or right side.

Sold as standard

Ref.: 110001

TOOL CARRYING HOOK



A hook which clips to the battery belt so that the operator can have free hands.

Sold as standard Ref.: 86708





NEW

PRUNION POWERFUL AND LIGHT



SITEVI
2015
SILVER MEDAL
AT THE INNOVATION AWARDS

The Prunion tree pruning shears makes it possible to cut larger sections measuring 40-45 mm. It offers more comfort than manual shears. The battery is very light, it is no longer noticeable.

Mas de la CAPPE
Arles - France

PRUNION PERFECT PRUNING

With a weight of less than 900 grams, the PRUNION pruner offers users unbeatable cutting power and work quality. Its grip fits any hand and its large cutting diameter makes it comfortable to prune with. The numerous innovations of this pruning shear make it indispensable for anyone who does pruning work. The 250 battery offers increased productivity by allowing two PELLENC tools to be connected simultaneously.



An essential tool for the maintenance of green spaces



PELLENC ADVANTAGES

PROFESSIONAL

- Power and manoeuvrability for intensive pruning.
- Cutting diameter up to 45 mm.
- High performance motor: 92%.
- Precise blade position management.
- A compact pruner, that is handy and suitable for all hand sizes.
- Daily cleaning is done without tools.

ERGONOMIC

- The lightest tree pruner on the market: 885 g.
- A compact pruner, that is handy and suitable for all hand sizes.
- Optical trigger for natural control of the half-opening.
- Alternation of work using the dual connector on the 250 battery.

ENVIRONMENT

- Zero emissions since there is no compressor or hydraulic unit.

COST-EFFECTIVE

- The least expensive professional pruner on the market.
- Adapts to your pruning habits thanks to different cutting modes.



Dual battery connectors for connecting two PELLENC tools simultaneously



The precision of the blade position allows for clean and powerful cutting

PRODUCT ADVANTAGES



PELLENC blade shaft slack adjustable without tools

PELLENC PATENT

Sealing plunger prevents soiling

PELLENC PATENT

Universal Ergonomic handle (left and right handed users)

Gear motor with remote cooling

PELLENC PATENT

Opening of the safety guard without tools

PELLENC PATENT

Optical trigger

PELLENC PATENT

GARANTIE/GARANTY 2 ans/years

250 BATTERY

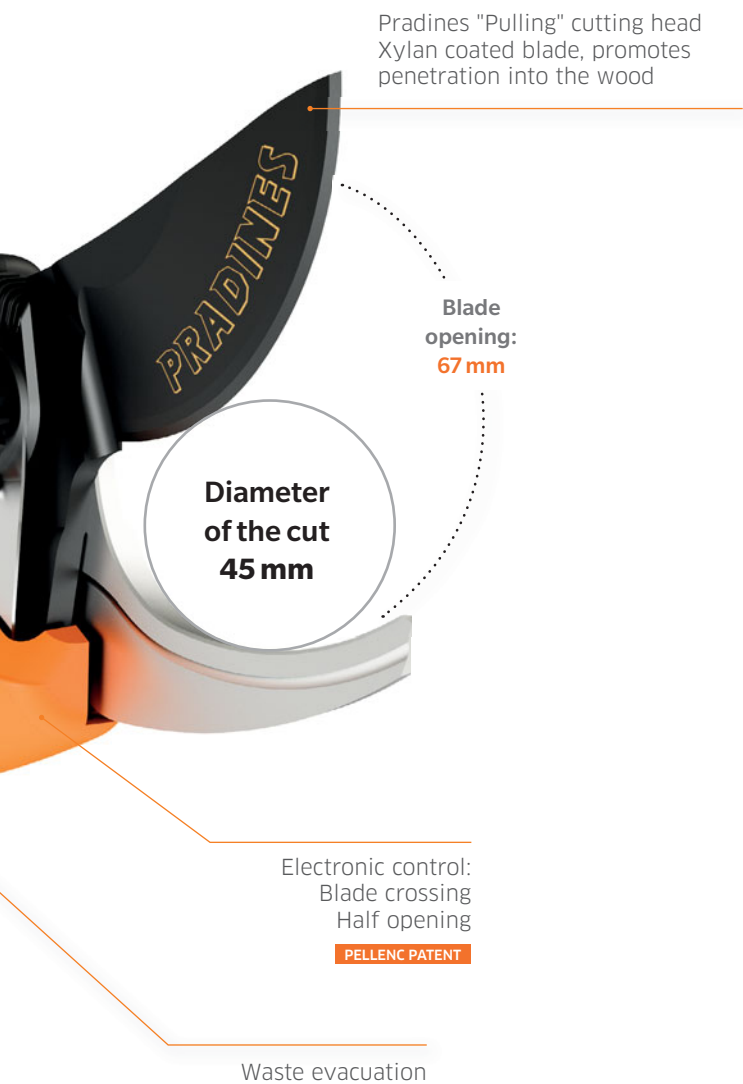
For increased battery life and multi-tools usage



150P BATTERY

Unmatched freedom of movement





4 operating modes

- Performance mode: for maximum speed.
- Comfort mode: for a good speed/battery life ratio.
- All or nothing mode: for quick and repeated cuts.
- Progressive Mode: for precision work.

PELLENC patent



Universal, ergonomic handle

Oval handle can be used by left and right handed individuals.

PELLENC patent



Optical trigger

For natural management of the half-opening.

PELLENC patent

- Standard equipment

CHARACTERISTICS OF THE BATTERY	150 P	250
Weight - g	845	1,680
Maximum power - W	1,730	1,730
Average lifetime - (cycles)	800	1,000
Carrying	Belt	Harness
Average Battery life - PRUNION	9h*	12h*
Average Battery life - PRUNION + M12 chainsaw	-	9h*
Multi tools mode	-	•
Management of usage modes	•	•
NFC/RFID	•	•
Full charge	8h	5h

*depending on storage conditions/charge/use

The **PRUNION** pruning shear will be marketed in 2016.

TECHNICAL CHARACTERISTICS

PRUNION	
Max. power - W	1,730
Weight - kg	0.885
Engine speed - rpm	21,000
Length - mm	298
Ovalised handle diameter (h x l) - mm	41 x 38
Blade opening - mm	67
Cutting diameter - mm	45
Automatic standby mode	•
Double trigger	•
4 operating modes	•
Electronic blade adjustment	•
Rotating cutting head and handle	•
Holster	•
Carrying case	•
Battery life** with 250 battery	12h

• Standard

* Values of acoustic measures according to the Directive EN 50260-1: 2005 - Uncertainty according to ISO 4871.

** For information: the times were observed in actual working time, without taking breaks into consideration. Battery life is influenced by the nature of the work required.

ACCESSORIES & CONSUMABLES

PRUNION CUTTING HEAD PIN KIT



Ref.: 123762

GREASE TUBE PACK



To lubricate the cutting head.

Ref.: 35749

SHARPENING STONE

To clean and sharpen the blade.



Sold as standard

Ref.: 02322

PRUNION BLADE KIT



Pradines blade.

Ref.: 122991

HOLSTER

Keeps the pruning shear within reach.



Sold as standard

Ref.: 118398





NEW

CLEANION VERSATILITY THAT STANDS THE TEST OF TIME

CLEANION SWEEP ANY SURFACE IN ANY SEASON

Regardless of the season or the surface, the CLEANION professional sweeper has a wide range of uses. Multi-functional, it is ideal for sweeping paths or walkways, in parks and gardens, school yards, gymnasiums, sports fields, artificial turf, car parks or industrial sites. CLEANION can also be used for snow removal in winter, thereby preventing the formation of ice. Use the forward speed and brush rotation settings to make the sweeper go anywhere in town – it easily rides over pavements thanks to its motorised wheels.



The sweeper can easily be equipped with accessories that can be attached to the front of the brush



PELLENC ADVANTAGES

PROFESSIONAL

- 1,400 W of power.
- Up to 3h30 min for cleaning a surface of 4,600 m².
- Working width: 100cm.
- Reversible rotation of the brush.
- Waterproofing level of IP54.
- Brush pressure indicator.

ERGONOMIC

- Less than 100 kg.
- 4 rotation speeds.
- The brush pressure can be adjusted continuously depending on the surface and amount of accumulated dirt.
- LCD control for all functions.
- Zero Turn function thanks to the motorised wheels and directional joystick.
- Motorised reverse.

ENVIRONMENT

- Its silent operation with no CO₂ emissions means that CLEANION can be used at all times in public places.
- No management or consumption of fuel.
- Uses ULiB 1100 and 700 batteries.

COST-EFFECTIVE

- Low maintenance.
- Multifunctional.
- No use of blended fuel.



Easy access to the battery, protected in its housing



The brush tilt setting allows for precise work

PRODUCT ADVANTAGES



GARANTIE / GARANTY
ans / years **2**

Patented brush
telbürger



Compartment

Easy access compartment holds the battery.



Quick release

A simple latch system makes it possible to hold the two removable parts and quick switch the different work tools.



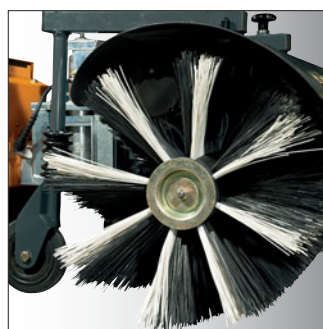
Storage position

The motor can be disconnected from its folding handlebar to save space during storage.



LCD screen

Use the LCD screen to continuously check the functions of CLEANION, such as forward speed and brush rotation speed. An indicator of the optimum brush pressure on the floor warns the operator of the need to adjust the two support wheels.



Reversible rotation of the brush

Sweeping is perfectly optimised. The roller easily cleans bulky, wet waste materials and fine dust.



Two support wheels

Adjustable support wheels ensure the perfect height, even on uneven surfaces.



Motorised wheels


With two rear engines, Zero Turn manoeuvres are possible and make it easy to handle. It climbs up on sidewalk crossings with ease.

TECHNICAL CHARACTERISTICS

CLEANION	
Overall dimensions when unfolded, HxLxW - cm	100x160x100
Working width	100cm
Weight (with battery) - kg	100
Weight (without battery) - kg	94
Max. power - W	1,400
Brush rotation speed	4 speeds from 100 to 200
Surface Battery life - m ²	Up to 4,600
Handling (Zero Turn)	YES

COMPARATIVE TABLE OF CO₂ EMISSIONS

PELLENC professional power tools eliminate nearly 99% of direct emissions of greenhouse gases compared with a combustion engine, namely, 86 times less. And, if you recharge your PELLENC batteries with our Solerion solar charger, CO₂ emissions are completely eliminated.

 CARBON EQUIVALENT PER DAY	THERMAL SWEEPER Direct emissions + petrol production	CLEANION Direct emissions + electricity production	WITH SOLERION Direct emissions
		32 kg CO ₂	306 g CO ₂


Specifications: 1kWh EDF corresponds on average to a carbon equivalent of 90g CO₂/kWh in France, covering production and the remainder of its life (ADEME-France) – 1L of SP95 super fuel has a carbon equivalent of 2.5 kg CO₂/L in direct emissions and 5.5 kg CO₂/L in production + direct emissions – Basis: 6 h working day and 200 annual working days.



ACCESSORIES & CONSUMABLES

SNOW PLOW

For pushing and sweeping snow.



Ref.: 57160

ANTI-GRAVEL MESH

For sweeping gravel.



Ref.: 57161

TILTING COLLECTION BOX

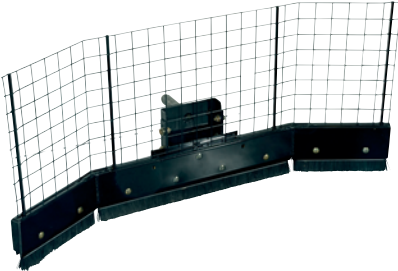
For collecting waste.



Ref.: 57162

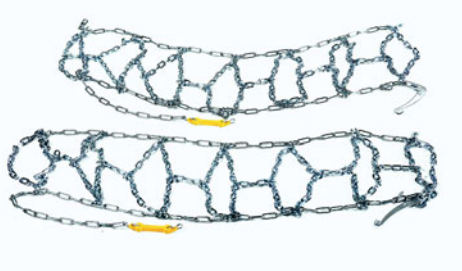
LEAF PUSHER

For leaf removal, pushing hay and manure.



Ref.: 57163

CHAINS



Ref.: 57164

SUMMER WHEELS



Ref.: 57165





HELION ROBUST AND LIGHT



PAYSALIA

2009

1ST PRIZE FOR INNOVATION

SALON VERT

2008

MATERIAL AND
EQUIPMENT AWARD

We have a hedge Helion Telescopic hedge trimmer, a Selion pruner, a Treelion pruning shears and 700 batteries. These tools provide highly accurate and quality work and saves us a considerable amount of time.

Leonardo Albergati
Landscaper, Orvieto - Italy

HELION RANGE POWER AND PRECISION

HELION hedge trimmers are efficient tools which meet the needs of professionals in terms of power and trimming quality. Their odourless operation and light weight allow the user to work comfortably when trimming hedges, ornamental trees and also for pruning with the new HELION 2 COMPACT.



Pruning work on a pyracantha hedge



PELLENC ADVANTAGES

PROFESSIONAL

- Cutting power designed for pruning and finishing. *Helion 2*
- Anti-locking blades system.
- Fast Connector System: for rapid tool connection and disconnection. *Helion 2*
- Best compromise between vibrations/cutting capacity.
- Enough battery life for a full day's work.
- Waterproofing level of IP54. *Helion 2*

ERGONOMIC

- Soft Touch rotating handgrip.
- Its light weight improves working conditions.
- Quick Switch system with four types of interchangeable cutter bars on the same engine.
- Retractable trigger. *Helion 2*

ENVIRONMENT

- Work quietly.
- Odourless and pollution-free operation.
- Zero emissions and zero waste.

COST-EFFECTIVE

- At least €7 in petrol saved per day.
- 1 motor with different blade sizes.
- Low maintenance.
- No use of blended fuel.
- Multi-purpose battery.



Adaptable deflector for the 63 cm cutter bar



Work begins early in the morning without disturbing holidaymakers

PRODUCT ADVANTAGES



HELION 2 COMPACT



HELION Pole

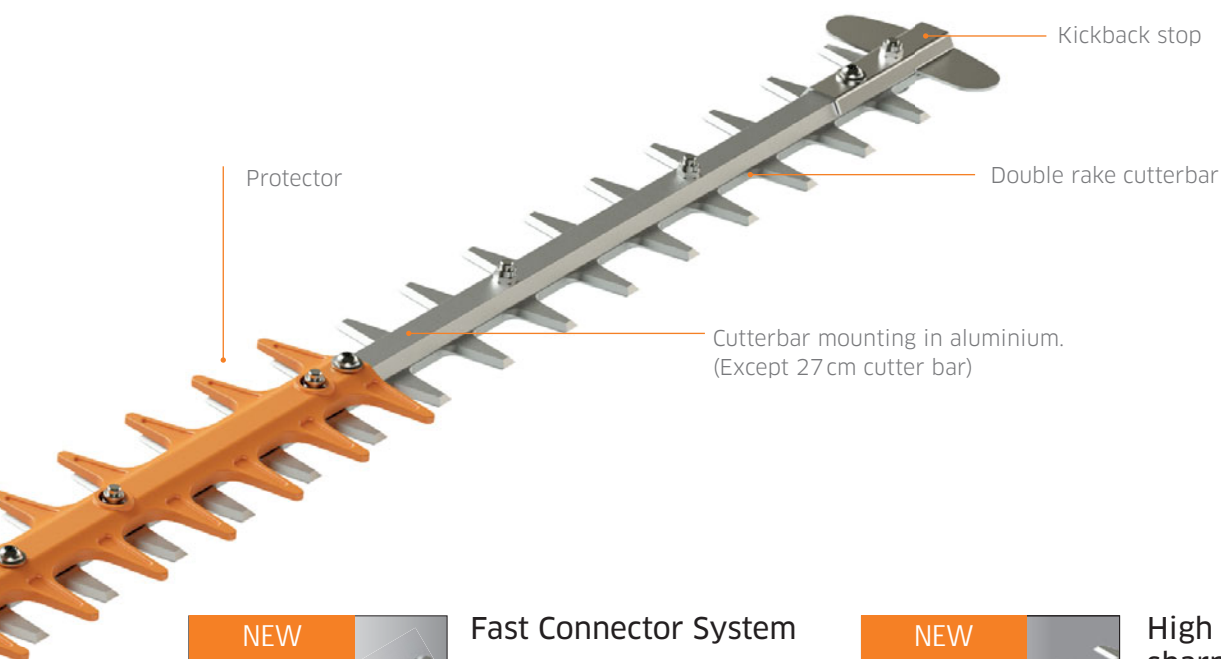


HELION Telescopic



Helion is delivered without a cutter bar. Choose the cutter bar that best suits your needs.





NEW

Fast Connector System

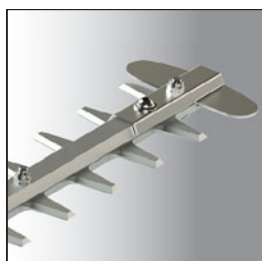
On the HELION 2 COMPACT, the Fast Connector allows for rapid connection and disconnection of the tool to and from the battery when working, a key safety element that allows you to quickly get out of any risky or uncomfortable situation.



NEW

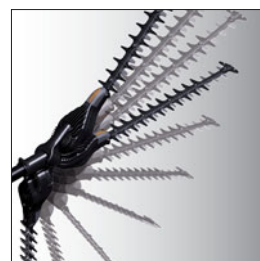
High performance sharpening

The protector on the HELION 2 COMPACT, easily disassembles for rapid sharpening of the blades.



Blade

Aluminium stiffener and carbon steel blade.
Stainless steel anti-kickback stop.



Flexible head

On Helion Pole and Telescopic models, the head is adjustable by $+90^{\circ}/-45^{\circ}$ which means you can trim in all positions.



Rotating handle

On the Helion 2, the handle is adjustable by $\pm 90^{\circ}$ for vertical work without bending the handle.



Speed selector

The 4 speeds make it possible to adapt the speed to the type of vegetation. Good management of the selector also saves on battery use.



Anti-locking system

A unique device reverses the motor's direction of rotation if the blade gets caught in the vegetation. This enables it to be easily removed and prevents the blades from twisting or breaking.

PELLENC patent



Quick Switch

All cutter bars are easily interchangeable. The mounting and removal of the cutter bar takes less than a minute.


TECHNICAL CHARACTERISTICS

HELION	COMPACT 2	POLE	TELESCOPIC
Max. power - W	1,200	1,200	1,200
Combustion engine equivalence - cm ³	30	30	30
Weight (with 63 cm blade) - kg	3.5	3.7	4.3
Total length - cm	-	180	150/200
Cutting Rate - cuts/min	3,200 to 3,800	3,200 to 3,800	3,200 to 3,800
Available cutting length - cm	27 - 51 - 63 - 75 <small>adaptable deflector for the 63cm cutter bar</small>	27 - 51 - 63 - 63D - 75	
Tooth pitch - mm	33	33	33
Tooth spacing - mm	40	40	40
Gullet depth - mm	24	24	24
5-notch rotating handle	+/-90°	-	-
Multi-position pivoting cutting head	-	+85°/-45°	+85°/-45°
Noise level (L _{PA}) [*] - dB(A)	81	87	83
Guaranteed noise level (L _{WA}) [*] - dB(A)	92	96	96
Front handle vibration level (a _h) ^{**} - m/s ²	3	5.5	3.9
Rear handle vibration level (a _h) ^{**} - m/s ²	3.4	3.9	3.4
Quick Switch	•	•	•
Fast Connector	•	-	-
4-speed selector switch	•	•	•
Belt carrying kit	-	◦	•
Harness carrying kit	-	◦	•
Battery life ^{***} with ULiB 1100		Up to 2 days	
IP54	•	-	-

- Standard * Values determined in accordance with 2000/14/EC directive and EN ISO 11201 and EN ISO 3744 acoustic measurement standards - With 75 H/L and 3,800 bps/mn
- Option ** Vibration emission value following EN 60745-2-15 - Kd uncertainty = 1.5 m/s² - With H 75 and 3,800 bps/mn
- *** For information: the times were observed in actual working time, without taking breaks into consideration. Battery life is influenced by the nature of the work required

COMPARATIVE TABLE OF CO₂ EMISSIONS

PELLENC professional power tools eliminate nearly 99% of direct emissions of greenhouse gases compared with a combustion engine, namely, 86 times less. And, if you recharge your PELLENC batteries with our Solerion solar charger, CO₂ emissions are completely eliminated.

	COMBUSTION ENGINE HEDGE TRIMMER Direct emissions + petrol production	HELION Direct emissions + electricity production	WITH SOLERION Direct emissions
	CARBON EQUIVALENT PER DAY	25 kg CO₂	138 g CO₂

Specifications: 1kWh EDF corresponds on average to a carbon equivalent of 90g CO₂/kWh in France, covering production and the remainder of its life (ADEME-France) – 1L of SP95 super fuel has a carbon equivalent of 2.5 kg CO₂/L in direct emissions and 5.5 kg CO₂/L in production + direct emissions – Basis: 6 h working day and 200 annual working days.

ACCESSORIES & CONSUMABLES

HELION 2 COMPACT CUTTER BARS



- 27 cm - ref. 57096
- 51 cm - ref. 56205
- 63 cm - ref. 56206
- 75 cm - ref. 56207
- Deflector - ref. 57097 (adaptable on the 63 cm cutter bar)

POLE, TELESCOPIC AND UNIVERSAL CUTTER BARS



- 27 cm - ref. 57029
- 51 cm - ref. 56202
- 63 cm - ref. 56203
- 75 cm - ref. 56204
- 63D - ref. 57009 (deflector integrated with the cutter bar)

HELION POLE HARNESSES CARRYING KIT



Improves working comfort - attaches to the battery harness.

Ref.: 79297

HELION POLE BELT CARRYING KIT



Improves comfort while working - attaches to the belt.

Ref.: 74668

COUNTERWEIGHT



For better balance of the hedge trimmer pole.

Ref.: 86669

10.30 m EXTENSION CORD



10.30 m male/female lead allowing you to work with the battery on the ground.

Ref.: 100994

GREASE CARTRIDGE



400g cartridge for lubricating the cutter bar gear.

Ref.: 115174

BIODEGRADABLE CLEANER FOR RESIN



For cleaning and lubricating the cutting elements, contains 400 ml. For cutter bars with a carbon stiffener.

Ref.: 73974

GREASE GUN



Easy-to-use, the manual grease gun is truly comfortable to use and is compatible with 400g cartridges.

Ref.: 68518

BIODEGRADABLE CLEANER FOR RESIN



For cleaning and lubricating the cutting elements, contains 400 ml. For cutter bars with an aluminium stiffener.

Ref.: 121633





EXCELION 2000

ROBUST, POWERFUL AND LIGHTWEIGHT



AGRILEVANTE
2015
TECHNICAL INNOVATION AWARD



AGROVINA
2014
3RD PRIZE FOR INNOVATION

**SALON DES MAIRES ET DES
COLLECTIVITÉS LOCALES**
FINALIST 2013

PAYSALIA
2013
1ST PRIZE

DEMOPARK
2013
SILVER MEDAL

AQUIFLOR
2013
2ND PRIZE

The Excelion 2000 brush cutter is extremely user friendly, quiet, lightweight, and robust. With its removable handle, which is practical for transport, making adjustments and finding the ideal work position is easy. In addition, for a professional user the different cutting heads offer exceptional work quality.

Lionel Reynaud
Landscapeur at La Tour d'Aigues

EXCELION 2000

A BRUSH CUTTER THAT IS MADE TO LAST

Designed for routine maintenance or intensive strimming, the EXCELION 2000 Professional will meet the expectations of even the most demanding users. This robust, powerful and lightweight brush cutter perfectly eliminates tall, dense grass, woody weeds, brambles and shrubs.

Powered by a PELLENC ULiB 1100 battery, it's quiet, non-polluting operation, and low vibration increases comfort for the user. Several cutting heads can be used on the EXCELION 2000, offering different options for getting the job done.



Finishing clearing at the Jardins d'Albertas, Aix-en-Provence - France



PELLENC ADVANTAGES

PROFESSIONAL

- Power equivalent to a 45cm³ brush cutter.
- For mowing, brush cutting, mulching or sawing branches of up to 8 cm in diameter.
- Battery life equivalent to half a day's work in ECO mode.

ERGONOMIC

- Handlebar grip with Soft Touch coating.
- Perfect balancing of the tool for improved working comfort.
- Ergonomic carrying harness that ensures greater freedom of movement.

ENVIRONMENT

- Work quietly.
- Zero emissions and zero pollution.

COST-EFFECTIVE

- At least €8 in petrol saved per day.
- No motor maintenance.
- No use of blended fuel.
- Multi-purpose battery.

ZERO
PHYTO



Roll Cut head with twisted polyamide wire



Site clearing in a thicket

PRODUCT ADVANTAGES



Revolutionary PELLENC Brushless motor with electronic switching

Housing studied to enable cooling of the motor

LED indicators

Progressive-trigger

Safety trigger

Carrying eyelet



Angle transmission

This PELLENC designed angle transmission in magnesium is very light and durable, and enables perfect balancing of the machine. Specific work aimed at minimising the noise produced by the mechanism was carried out. In addition, the hardware is integrated preventing any possible loss of the fixing screws.



PELENC twisted wire

PELENC twisted wire significantly improves the performance of the brush cutter, both in terms of energy consumption, as well as noise. It was specially designed to provide high resistance to abrasion, thus avoiding excessive wires.



Economy Mode

The brush cutter has an ECO mode. It offers the double advantage of prolonged use of the machine as well as working at low speed to limit projections, especially in urban areas.



Cutting head

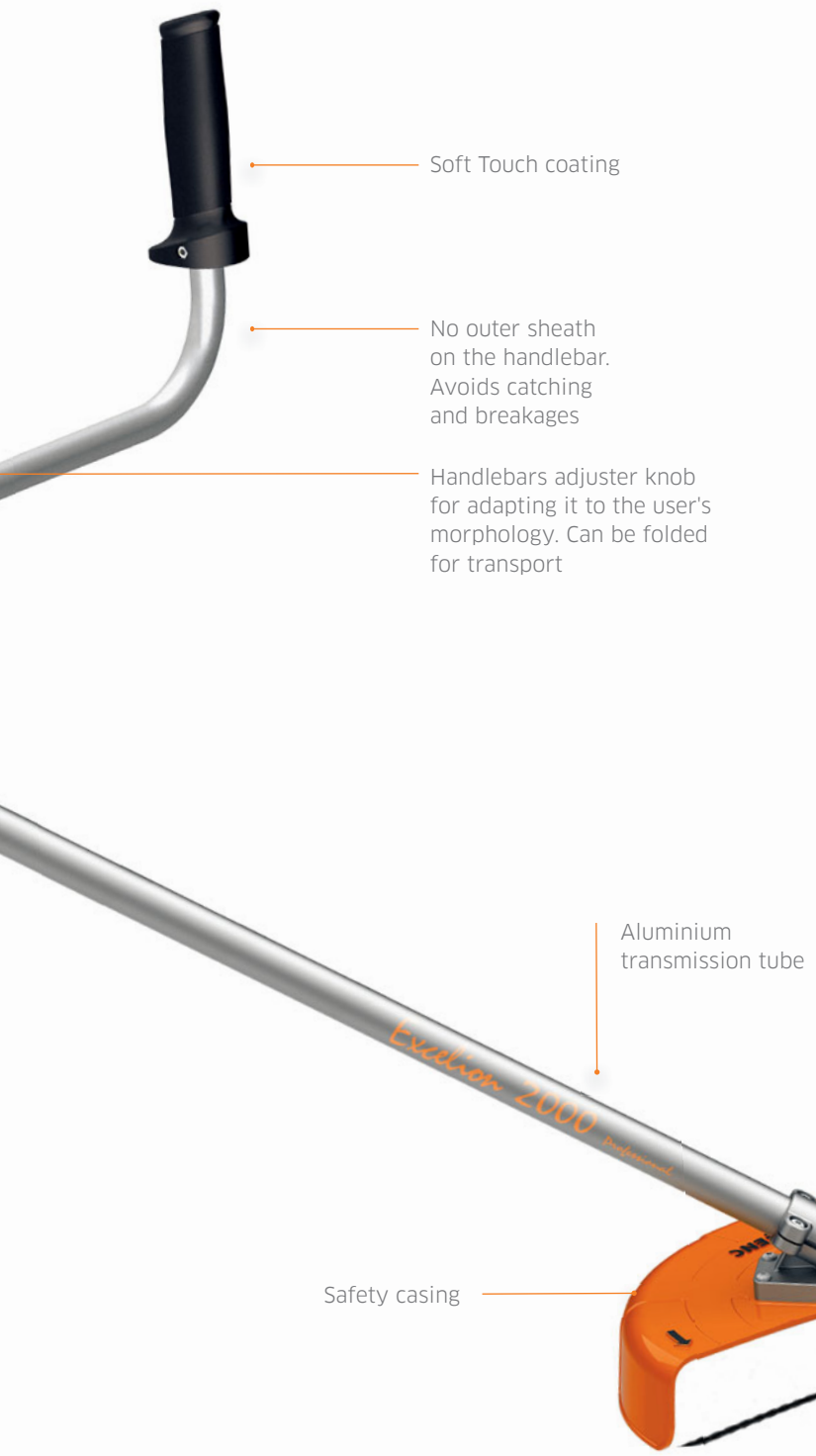
5 interchangeable cutting heads have been designed to make them easier to use: Blade Cut, City Cut, Roll Cut, Multi Cut, and Tap Cut. The wire loading systems and the blade attachments have been patented for the Roll Cut, Cut Tap, and Multi Cut cutting heads.

PELENC patent

NEW

Double harness

Ergonomic and balanced with a carrying side plate equipped with protective padding and a quick release system. The procedures for adjusting the position of the carrying plate have been improved and allow the operator to perfectly adjust the harness for maximum comfort.



Soft Touch coating

No outer sheath on the handlebar. Avoids catching and breakages

Handlebars adjuster knob for adapting it to the user's morphology. Can be folded for transport

Aluminium transmission tube

Angle transmission

Safety casing

Interchangeable cutting head

Excelion 2000 comes without a cutting head, allowing you to choose the cutting head best suited to your needs.

SEE THE VIDEO!

SCAN THIS CODE WITH YOUR SMARTPHONE

GARANTIE / GARANTY 2 ans/years

TECHNICAL CHARACTERISTICS

EXCELION 2000	
Max. power - W	2,000****
Combustion engine equivalence - cm ³	45
Weight (excluding cutting tool and casing) - kg	5.4
Max. rotation speed - rpm	
- Standard mode	2,000 to 6,200
- Eco mode	2,000 to 4,200
Wire diameter - Ø	2.4 mm mini/3 mm maxi
Loading ROLL CUT	Ø 2.4 -> 9 m / Ø 3 -> 6 m
Loading TAP CUT	Ø 2.4 -> 5 m / Ø 3 -> 3.5 m
Noise level (L _{pa}) [*] - dB(A)	84
Noise level (L _{WA}) [*] - dB(A)	93
Right handle vibration level (ah) ^{**} - m/s ²	1
Left handle vibration level (ah) ^{**} - m/s ²	1.3
Interchangeable cutting heads	BLADE CUT / CITY CUT / ROLL CUT / MULTI CUT/TAP CUT
Battery life in Eco mode ^{***} with Ulib 1100	Up to 5 h

* Values determined according to acoustic measurement standards NF EN ISO 11201 and NF EN ISO 3744

** According to vibration emission value DIN EN 60745-1:2009 measured with the Roll Cut head ø2.4 wire. - Uncertainty Kd = 1.5 m/s²


*** For information: the times were observed in actual working time, without taking breaks into consideration.

Battery life is influenced by the nature of the work required

**** Optimal functioning will be obtained with a tool whose serial number is higher than 53P00821 plus a 700 battery (starting from serial no. 56N07968) or an 1100 battery (starting from serial no. 56N01725)

COMPARATIVE TABLE OF CO₂ EMISSIONS

PELLENC professional power tools eliminate nearly 99% of direct emissions of greenhouse gases compared with a combustion engine, namely, 86 times less. And, if you recharge your PELLENC batteries with our Solerion solar charger, CO₂ emissions are completely eliminated.

	COMBUSTION ENGINE POWERED BRUSH-CUTTER Direct emissions + petrol production	EXCELION 2000 Direct emissions + electricity production	WITH SOLERION Direct emissions
 CARBON EQUIVALENT PER DAY	21 kg CO₂	438 g CO₂	0 g CO₂

Specifications: 1kWh EDF corresponds on average to a carbon equivalent of 90g CO₂/kWh in France, covering production and the remainder of its life (ADEME-France) – 1L of SP95 super fuel has a carbon equivalent of 2.5 kg CO₂/L in direct emissions and 5.5 kg CO₂/L in production + direct emissions – Basis: 6 h working day and 200 annual working days.

ACCESSORIES & CONSUMABLES

ROLL AND CUT TAP CUT



ROLL CUT
For mowing large areas.
Manual wire trimmer head.
Ref.: 57076



TAP CUT
For mowing and clearing
edges.
Semi-automatic wire
trimmer head.
Ref.: 57078



HEAD screw for Roll Cut
Ref.: 106803



Tap Cut plastic reel
Ref.: 107373



Twisted polyamide wire
Shell 56 m - Ø 3mm: Ref. 108911
Shell 70 m - Ø 2.4mm: Ref. 79601
Reel 347 m/Ø 2.4mm: Ref. 79599
Reel 280 m/Ø 3mm: Ref. 117453

MULTI CUT



MULTI CUT
For all types of mowing.
Wire and blade cutting
head.
Ref.: 57075



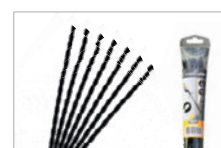
Two-prong blades
For intensive clearing
or tall grass
Ø 255mm - Ref.: 79600



**8 tooth blade for clearing
tall, dry grass.**
Ø 200mm - Ref.: 85176



Multi Cut casing
Ref. 81116



Twisted polyamide wire
Tube of 50, 20cm strands/Ø 2.4mm -
Ref.: 79602
Reel 347 m/Ø 2.4mm - Ref. 79599
Shell 70 m/Ø 2.4mm - Ref. 79601

MULTI CUT



Clearing saw
For gently trimming
shrubs.
Ø 200mm - Ref.: 84943

BLADE CUT



BLADE CUT
For mowing tall grass,
brush or shrubs
Blade head.
Ref.: 57080



Two-prong blades
For intensive clearing
of tall grass.
Ø 320mm - Ref.: 110279



Trident Blades
For clearing
thick, high grass.
Ø 320mm - Ref.: 114700



Mulching cutter
For mulching woody
vegetation, dense or thorny
brush vegetation.
Ø 240mm - Ref.: 110281



Blade Cut bell casing
Ref.: 106645



Clearing saw
For gently trimming
shrubs.
Ø 230mm - Ref.: 111700



Protective shield
Use is mandatory with the
mulching blade.
Ref.: 111600



Aluminium casing
Use is mandatory with the
clearing saw.
Ref.: 111500

Other accessories



**Grease tube
for the bell-crank**
Ref.: 35749



**Protective storage bag
for the cutting heads**
Ref.: 111800



Double harness
Ref.: 110283 - Standard
equipment



Standard casing
Ref.: 107533 - Standard
equipment



**Carry hook for the Excelion
2000 trimmer harness.**
Ref.: 119569

CITY CUT

THE CITY CUT CUTTING HEAD PROVIDES WEED CONTROL WITH NO PROJECTIONS

FOR MORE INFORMATION!



SCAN THIS CODE WITH YOUR SMARTPHONE

PELLENC ADVANTAGES

PROFESSIONAL

- No dangerous projections when doing weeding working in urban settings.
- High productivity.
- Does not damage the urban infrastructure.
- Perfect finishing on curbs, around trees and along fences.
- Unique counter-rotation technology.
- High cutting capacity.
- Fewer consumables, easy blade maintenance.

ERGONOMIC

- Quick change head.
- Steel bell casing resists abrasions on asphalt.

ENVIRONMENT

- Meets the "Zero Phyto" charter for alternative weed removal in urban areas.
- Does not hurt the plants.
- No plastic wire waste.



The City Cut does not hurt plants

The alternative weeding solution fulfils the requirements of the charter

**ZERO
PHYTO**

Interchangeable heads
for the EXCELION 2000 range



**ADAPTABLE
TO
EXCELION
2000**

GARANTIE / GARANTY
2
ans / years

The counter-rotational movement and the shape of the blades preserve the urban infrastructure, cars and plants.

CITY CUT

Weight - kg	1.6
Maximum rotational speed of the blades - rpm	
- Eco mode	400rpm
- Standard mode	800rpm
Cutting diameter - Ø	230mm
Noise level (LWA)* - dB(A)	102

*Value determined according to acoustic measurement standards NF EN ISO 11201 and NF EN ISO 3744

ACCESSORIES & CONSUMABLES



Dual blade kit
Ref. 118270



Steel bell
Ref. 118271



Grease tube
for the bell-crank
Ref. 35749



Protective storage bag
for the cutting heads
Ref. 111800





EXCELION 1200

TWO QUALITIES: VERSATILITY AND PRECISION

I invested in a brush cutter, two chainsaws, pruning shears and a high capacity battery. With one battery for a series of tools, the practical aspect is obvious. The major advantage over heat engine tools is the ability to work in silence. That means total comfort both for the user and the people at the campsite. Another advantage is the perfect ergonomics behind these tools. With the battery strapped on the back, the weight is perfectly distributed. Work can be done for hours on end without excessive fatigue.

Robert Birebent
Domaine de la Serre Camp grounds - France

CONFORT TOTAL 1200

A VERSATILE GRASS TRIMMER

EXCELION 1200 is a grass trimmer that is used for finishing work in parks, gardens and urban spaces. Its ergonomics and ease of use make it possible to work comfortably on slopes and in places that are not easily accessible thanks to its multiple angle settings. Your specific needs will determine the choice of the cutting head from the range of interchangeable heads.



Clearing work in noise sensitive areas



PELLENC ADVANTAGES

PROFESSIONAL

- Power equivalent to a 30cm³ brush cutter.
- Designed for both brush cutting and finishing work.
- 3 interchangeable cutting heads for different uses.
- Battery life for up to a half a day.

ERGONOMIC

- Angled handle for a better grip.
- Adjusts to the user's physique: telescopic pole, swivel head, and adjustable handle.

ENVIRONMENT

- Work quietly.
- Zero emissions and zero waste.

COST-EFFECTIVE

- At least €8 in petrol saved per day.
- Low maintenance.
- No use of blended fuel.
- Multi-purpose battery.



Interchangeable cutting head



Finishing work - Jardins d'Albertas, Aix-en-Provence - France

PRODUCT ADVANTAGES



Cutter heads

3 adaptable and interchangeable cutting heads for finishing or intensive mowing. Easy loading of wires, with several wire diameters able to be used on the same head for the Roll Cut and Tap Cut. Possibility of fitting the Multi Cut with wires or blades.

PELLENC patent



Speed selector

The four positions are used to adapt the cutting speed according to the vegetation. A low speed prevents the projection of gravel or pebbles in urban areas. Good management of the selector saves on battery use.



System of anti-vibration

The Soft Touch coated handle reduces vibrations for more comfortable and less strenuous work.



Progressive trigger

The trigger allows you to precisely control the power output.

EXCELION 1200 is delivered without a cutting head.
 YOU CAN choose the cutting head that is best suited to your needs.



PELLENC twisted wire

PELLENC twisted wire significantly improves the performance of the brush cutter, both in terms of energy consumption, as well as noise. It was specially designed to provide high resistance to abrasion, thus avoiding excessive wires.

TECHNICAL CHARACTERISTICS

EXCELION 1200	
Max. power - W	1,200
Combustion engine equivalence - cm ³	30
Weight (excluding cutting tool and casing) - kg	3.8
Max. rotation speed - rpm	2,000 to 6,200
ROLL CUT wire loading - Ø	Ø 2.4 -> 9m / Ø 3 -> 6m
TAP CUT wire loading - Ø	Ø 2.4 -> 5m / Ø 3 -> 3.5m
MULTI CUT wire loading* - Ø	strands of 20cm in Ø 2.4mm
Noise level (L _{pa})* - dB(A)	83
Noise level (L _{WA})* - dB(A)	91
Right handle vibration level (ah)** - m/s ²	<2.5
4-speed selector switch	•
Progressive trigger	•
Interchangeable cutting heads	ROLL CUT - TAP CUT - MULTI CUT
Battery life*** with ULiB 1100	Up to 5h

• Standard


* Values determined according to the 2000/14/EC directive and acoustic measurement standards EN ISO 11201 and EN ISO 3744.

** Vibration emission value following EN 60745-1 - Kd uncertainty = 1.5 m/s² and EN ISO 22867.

*** For information: the times were observed in actual working time, without taking breaks into consideration. Battery life is influenced by the nature of the work required.

COMPARATIVE TABLE OF CO₂ EMISSIONS

PELLENC professional power tools eliminate nearly 99% of direct emissions of greenhouse gases compared with a combustion engine, namely, 86 times less. And, if you recharge your PELLENC batteries with our Solerion solar charger, CO₂ emissions are completely eliminated.

 CARBON EQUIVALENT PER DAY	COMBUSTION ENGINE POWERED BRUSH-CUTTER Direct emissions + petrol production	EXCELION 1200 Direct emissions + electricity production	WITH SOLERION Direct emissions
		21 kg CO ₂	336 g CO ₂

Specifications: 1kWh EDF corresponds on average to a carbon equivalent of 90g CO₂/kWh in France, covering production and the remainder of its life (ADEME-France) – 1L of SP95 super fuel has a carbon equivalent of 2.5 kg CO₂/L in direct emissions and 5.5 kg CO₂/L in production + direct emissions – Basis: 6 h working day and 200 annual working days.

ACCESSORIES & CONSUMABLES

ROLL CUT AND TAP CUT



ROLL CUT
For mowing large areas.
Manual wire trimmer head.
Ref.: 57076



TAP CUT
For mowing and clearing
edges.
Semi-automatic wire
trimmer head.
Ref.: 57078



Head screw for Roll Cut
Ref.: 106803



Plastic reel for Tap Cut
Ref.: 107373



Twisted polyamide wire
Shell 56 m - Ø 3 mm: Ref.: 108911
Shell 70 m - Ø 2.4 mm: Ref.: 79601
Reel 347 m/Ø 2.4 mm: Ref.: 79599
Reel 280 m/Ø 3 mm: Ref.: 117453

MULTI CUT



MULTI CUT
For all types of mowing.
Wire and blade cutting
head.
Ref.: 57075



Two-prong blades
For intensive clearing
of tall grass.
Ø 255 mm - Ref.: 79600



8 tooth blade
for clearing tall, dry grass.
Ø 200 mm - Ref.: 85176



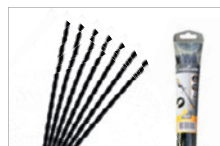
Clearing saw
for the gentle cutting of
shrubs.
Ø 200 mm - Ref.: 84943



Aluminium casing
Mandatory for use with
the saw.
Ref.: 87137



Multi Cut casing
Ref.: 81116



Twisted polyamide wire
Tube of 50, 20 cm strands/Ø 2.4 mm -
Ref.: 79602
Reel 347 m/Ø 2.4 mm - Ref.: 79599
Shell 70 m/Ø 2.4 mm - Ref.: 79601

Other accessories



**Protective storage bag
for the cutting heads**
Ref.: 111800



Double harness
Ref.: 112982 - Standard
equipment



Standard casing
Ref.: 80367 - Standard
equipment





CULTIVION

CULTIVATING SOIL HAS NEVER BEEN SO EASY!

Our company produces salads on 100 hectares of land. We use Cultivion every day in the open fields (endive, chicory) and in the greenhouse for weeding. This task used to be tedious and was carried out by hand, which meant high labour costs. With the Cultivion soil cultivator we do the work of six people in just 8 hours. This tool has allowed our company to make substantial economic gains.

Raffaele Maddalo,
Pontecagnano - Italy

CULTIVION

A TOOL THAT SIMPLIFIES AN ARDUOUS TASK

The CULTIVION soil cultivator is the only one of its kind in the world and can be used across a large range of applications from working the soil to weeding. Due to its lightweight and stable characteristics, CULTIVION is very easy-to-use. CULTIVION can work both at the surface and at depth.



Hoing of hard or clay soils



PELLENC ADVANTAGES

PROFESSIONAL

- Exceptional quality and speed of work.
- Designed for agriculture, vegetable growing and green spaces.
- Enough battery life for a full day's work.
- Can work the soil at the end of winter.

ERGONOMIC

- Work at depth or on the surface with 9 easily adjustable positions.
- Minimal clogging of cultivating head and optimum handling.
- Tool adapted to the size of the user making work less tiring.

ENVIRONMENT



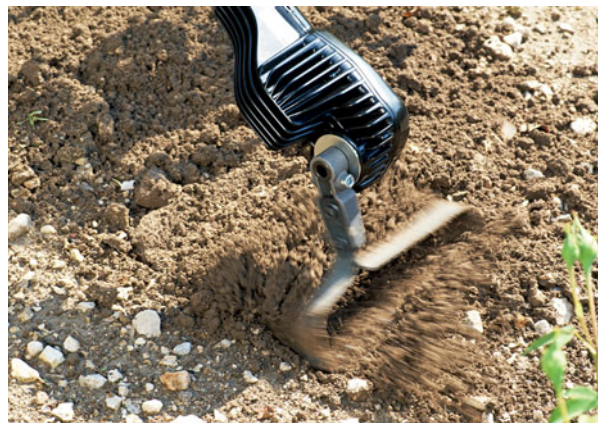
- Using the cultivator once is the equivalent to watering twice.
- An alternative to chemical weed killers.
- Zero emissions and zero waste.

MULTIPLE-FUNCTION

- Hoeing, weeding, soil aeration, etc.
- 5 toothed blades for different uses.

COST-EFFECTIVE

- Time savings.
- Low maintenance.
- Multi-purpose battery.



In-depth and surface work



Precision work between ornamental plants

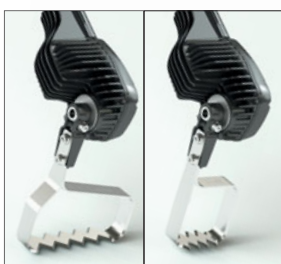
PRODUCT ADVANTAGES



Efficiency

CULTIVION blades work with an oscillating motion. This very rapid movement (up to 885 strokes / minute) provides the tool with the power and efficiency that facilitates penetration into the soil.

PELLENC patent



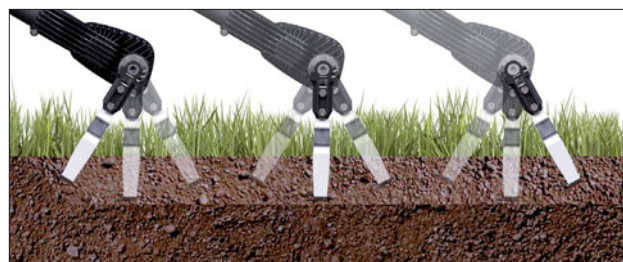
Versatility

With the different blades you can easily adapt to all working environments. The rapid changing time means you can move from one application straight to another.

PELLENC patent

Stability

In contrast to motorised cultivators, CULTIVION is stable when working, without the need to use force on the machine. CULTIVION has been designed to work in reverse, which eliminates the need to walk over the areas that have already been worked.



ZERO
PHYTO

SEE THE VIDEO!



SCAN THIS CODE WITH
YOUR SMARTPHONE

GARANTIE / GARANTY
ans / years **2**

Aluminium pole

Revolutionary PELLENC motor
with electronic switches

9 tool tilting
angles

Cultivating head
is quickly interchanged

Toothed blade
for better penetration



TECHNICAL CHARACTERISTICS

CULTIVION	
Max. power - W	380
Combustion engine equivalence - cm ³	10
Weight - kg	3.1
Oscillation speed - HZ	13 to 15
Tool speed - s/min.	800 to 885
Number of blades	5
Blade pivot positions	9
Noise level (L _{PA}) [*] - dB(A)	82
Guaranteed noise level (L _{WA}) [*] - dB(A)	91
Front handle vibration level (a _h) ^{**} - m/s ²	14.4
Rear handle vibration level (a _h) ^{**} - m/s ²	10.2
4-speed selector switch	•
Adjustable handle	•
Interchangeable blades	•
Battery life ^{***} with ULiB 1100	Up to 2 days

• Standard


* Values determined according to acoustic measurement standards NF EN ISO 11201 and NF EN ISO 3744.

** Vibration emission value following DIN EN 60745-1:2009 - Kd uncertainty = 1.5 m/s².

*** For information: the times were observed in actual working time, without taking breaks into consideration. Battery life is influenced by the nature of the work required.

COMPARATIVE TABLE OF CO₂ EMISSIONS

PELLENC professional power tools eliminate nearly 99% of direct emissions of greenhouse gases compared with a combustion engine, namely, 86 times less. And, if you recharge your PELLENC batteries with our Solerion solar charger, CO₂ emissions are completely eliminated.

 CARBON EQUIVALENT PER DAY	COMBUSTION ENGINE POWERED ROTARY HOE Direct emissions + petrol production	CULTIVION Direct emissions + electricity production	WITH SOLERION Direct emissions
		15 kg CO ₂	258 g CO ₂

Specifications: 1kWh EDF corresponds on average to a carbon equivalent of 90g CO₂/kWh in France, covering production and the remainder of its life (ADEME-France) – 1L of SP95 super fuel has a carbon equivalent of 2.5 kg CO₂/L in direct emissions and 5.5 kg CO₂/L in production + direct emissions – Basis: 6 h working day and 200 annual working days.

ACCESSORIES & CONSUMABLES

16 CM V-SHAPED BLADE

For working on hard soil, for ploughed trenches.



Ref.: 83849

8 CM BLADE

For finishing work, all whilst reducing vibrations.



Ref.: 100422

16 CM BLADE

For a job that is medium duty and at depth.



Sold as standard

Ref.: 81251

22 CM BLADE - WEEDING

For work on the surface, for removing weeds.



Ref.: 84125

22 CM BLADE

For a job that is extensive and at depth.



Ref.: 79779

BLADES MOUNTING KIT

For optimising blade changing.



Ref.: 101003



LITHIUM BATTERY POLY5
PELENC

PELENC

PELENC Selion
CARVING
Automatic Tension
Extra Light PELENC T

G21 HD



SELION C21 HD

NEW PRUNER, 2 KG OF POWER AND PRECISION AT YOUR HANDS!



EIMA TRADE FAIR

2014

COMMENDATION FOR TECHNOLOGICAL
INNOVATIONS

SALON DES MAIRES
TRADE FAIR

2009

INNOVATION AWARD

If it didn't exist, that would be a real problem. I've been using this material since 5 years, and it is still revolutionary. After 25 years in the business, I couldn't work with the thermal models any more, it was costing me too much and at all levels. Now, I get reliability, lightness, silence, handling, aesthetics, and all without gas pollution — this is exactly what I needed after so many years. Thank you and keep it up!

Mr. Moustapha Bounzel
Arborist - Au Bonheur des Arbres
Montpellier - France

SELION C21 HD

A NEW PRUNER FOR INTENSIVE PROFESSIONAL USE

Pruning requires specialised knowledge and suitable equipment. PELLENC offers arborists a model that will meet their expectations in terms of weight, balance, manoeuvrability, and power. Equipped with numerous innovations, the new SELION C21 HD pruner has more torque and is the lightest on the market.



Execution of pruning work



PELENC ADVANTAGES

PROFESSIONAL

- Specially designed for arborists, for use with the ultra-flat POLY 5 battery.
- PELENC Brushless motor 2,000 W (equivalent to 45 cm³).
- New motor for even better performance (increased torque).
- New magnesium casing for better chip evacuation.
- New guide for constant and optimal chain tension.
- Battery life provides a full day of pruning work.

ERGONOMIC

- Weighs only 2 kg!
- The claw enables a more solid grip on branches and trunks.
- Reinforced front hand guard.

ENVIRONMENT

- Noise-free operation.
- Zero emissions and zero waste.

COST-EFFECTIVE

- At least €7 in petrol saved per day.
- Time savings.
- Low maintenance.
- Up to 30% less chain oil used.



Oblique cuts at height



The claw serves as a support for a more effective attack

PRODUCT ADVANTAGES



SEE THE VIDEO!



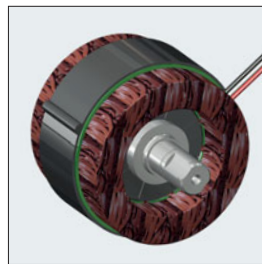
SCAN THIS CODE WITH YOUR SMARTPHONE





Casing

The shape of the magnesium casing offers improved evacuation of swarf, increased solidity and optimal lightness.

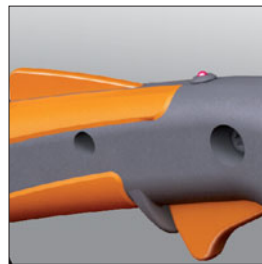


A more efficient motor



The claw

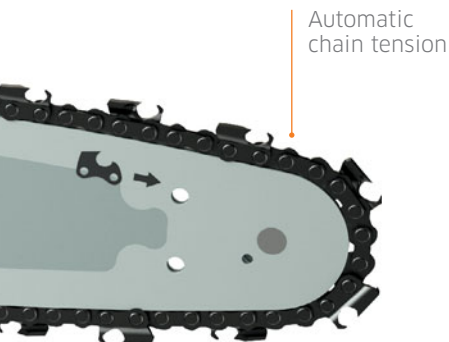
Enables a more solid grip on branches and trunks.



4 Innovative safety mechanisms

- Kickback sensor with electronic start-up instantly triggers an electric chain brake in the event of a fall or kickback, and is 8 times more sensitive than a petrol-operated chainsaw chain brake.

- Tool auto-diagnostic system. SELION checks during first use that the electronic kickback sensor is operational, if this is the case, the machine will operate.
- The double-press start-up trigger prevents the accidental start-up of the chainsaw.
- Low kickback OREGON® chains: the kickback phenomenon, if it occurs, will be much less violent.



Electronic chain brake

The chain brake activates instantly in case of fall or kick-back.

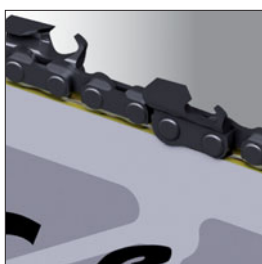
PELLENC patent



Automatic chain tension

The chain guide is mounted on a spring which allows the chain to tighten automatically.

PELLENC patent



Electronic management of oil flow

The system adjusts chain lubrication according to the cutting force required.

PELLENC patent



Integrated retractable key

This wrench retightens the chain and gives quick access to the pin and the chain.

PELLENC patent

TECHNICAL CHARACTERISTICS

SELION C21 HD	
Max. power - W	2,000
Combustion engine equivalence - cm ³	45
Weight - kg	2
Engine speed - rpm	6,200
Chain speed - m/s	14.5
Guide length - cm/inches	30 / 12"
OREGON CHAIN Pitch Type / Number of links	¼" 25AP / 70E
Pinion	11 quarter inch (¼ ") teeth
Tank capacity - cl	25
Noise level (L _{PA}) [*] - dB(A)	84
Guaranteed noise level (L _{WA}) [*] - dB(A)	96
Front handle vibration level (a _h) ^{**} - m/s ²	2.8
Peristaltic pump	•
Automatic chain tensioner	•
Integrated retractable key	•
Electronic chain brake	•
Battery life ^{***} with POLY 5 ULiB	Up to 1 day

• Standard

* Values determined according to the acoustic measurement standards DIN EN ISO 3744:1995 and DIN EN ISO 11201:1996.

** Vibration emission value following DIN EN 60745-2-13:2008 - Kd uncertainty = 1.5 m/s².

*** For information: the times were observed in actual working time, without taking breaks into consideration. Battery life is influenced by the nature of the work required.

COMPARATIVE TABLE OF CO₂ EMISSIONS

PELLENC professional power tools eliminate nearly 99% of direct emissions of greenhouse gases compared with a combustion engine, namely, 86 times less. And, if you recharge your PELLENC batteries with our Solerion solar charger, CO₂ emissions are completely eliminated.



	COMBUSTION ENGINE PRUNER Direct emissions + petrol production	SELION C21 HD Direct emissions + electricity production	WITH SOLERION Direct emissions
CARBON EQUIVALENT PER DAY	24 kg CO ₂	204 g CO ₂	0 g CO ₂

Specifications: 1kWh EDF corresponds on average to a carbon equivalent of 90g CO₂/kWh in France, covering production and the remainder of its life (ADEME-France) – 1 L of SP95 super fuel has a carbon equivalent of 2.5 kg CO₂/L in direct emissions and 5.5 kg CO₂/L in production + direct emissions – Basis: 6 h working day and 200 annual working days.

ACCESSORIES & CONSUMABLES

12" GUIDE

30cm guide made
of composite material.



Sold as standard

Ref.: 72884

OREGON CHAIN 1/4" 25AP - 70E

Anti-kickback chain.



Sold as standard

Ref.: 81794

12" CARVING GUIDE BAR

Carving bar.



Ref.: 80344

SHARPENING KIT

Contents: round file,
flat file and splitter.



Ref.: 68520

BIODEGRADABLE CHAINSAW OIL

5 litre jerrycan.
Biodegradable
chain oil.



Ref.: 116688



SELION M12

AN ULTRA-LIGHTWEIGHT, PROFESSIONAL PRUNER



AGRILEVANTE
2011
TECHNICAL INNOVATION AWARD

SIVAL
2011
DISTINCTION

VINITECH
2010
BRONZE MEDAL

I have the entire Espaces Verts range (ULiB 400, 700, and Poly 5 batteries) except Cultivion. Ever since I started using PELLENC tools, my company has changed pace. I do the work more calmly, faster and more comfortably. I often use the Selion M12 pruner and Helion hedge trimmers, two products that I really like. Besides that, I confirm the savings that the products that use PELLENC batteries bring me. I also appreciate the professional service.

Franco Pizzolorusso
Andria - Italy

SELION M12

GENTLE YET POWERFUL CUTTING

The SELION M12 pruner is one of a kind, thanks to its weight and its exceptional design, which lends itself to a wide range of potential uses. Selion M12 facilitates the gentle pruning work of shade trees, ornamental trees and robust hedges. It is distinguished by its compactness, fineness and the quality of its cut.



Impeccable cutting quality



PELLENC ADVANTAGES

PROFESSIONAL

- 1,200 W PELLENC Brushless motor (equivalent to 30cm³).
- Absence of a clutch and direct drive with the chain gear: more durable and more reliable.
- Pruner designed for fruit growers and vineyards.
- Minimum battery life of one work day.

ERGONOMIC

- Unique thanks to its exclusive design.
- Ergonomic Soft Touch handle.
- Only 1.7 kg in hand!

ENVIRONMENT

- Noise-free operation.
- Zero emissions and zero waste.

COST-EFFECTIVE

- At least €7 in petrol saved per day.
- Time savings.
- Low maintenance.
- Uses up to 30% less chain oil.



Ultra-manoevrable, it easily passes between branches



Equipped with its holster, it can be connected to the new 250 battery at the same time as the Prunion pruning shears

PRODUCT ADVANTAGES



SEE THE VIDEO!



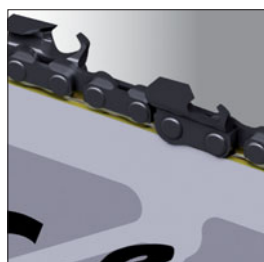
SCAN THIS CODE WITH YOUR SMARTPHONE



Mobile chain protection

PELLENC guide made of composite material

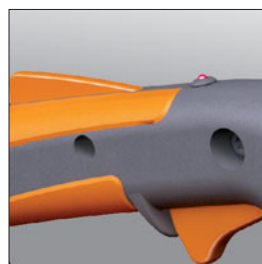
Automatic chain tension



Electronic management of oil flow

The system adjusts chain lubrication according to the cutting force required.

PELLENC patent



Safety

Safety is paramount and PELLENC has developed **4 innovations** to help protect the user:

- Kickback sensor with electronic start-up: This device instantly triggers

an electric chain brake in the event of a fall or kickback, and is 8 times more sensitive than a combustion engine-operated chainsaw chain brake.

- The second safety feature is part of the tool's auto-diagnostic system: SELION checks during first use that the electronic kickback sensor is operational, if this is the case, the machine will operate.
- The third safety feature is the double-press start-up trigger: this prevents the accidental start-up of the chainsaw.
- The final safety feature is the use of OREGON chains with little kickback: the kickback phenomenon, if it occurs, will be much less violent than that of a traditional chainsaw.



Integrated retractable key

This wrench retightens the chain and gives quick access to the pin and the chain.

PELLENC patent



Automatic chain tension

The chain guide is mounted on a spring which tightens the chain automatically.

PELLENC patent



Electronic chain brake

The chain brake activates instantly in case of fall or kick-back.

PELLENC patent


TECHNICAL CHARACTERISTICS

SELION M12	
Max. power - W	1,200
Combustion engine equivalence - cm ³	30
Weight - kg	1.7
Engine speed - rpm	5,400
Chain speed - m/s	10.3
Guide length - cm/inches	15 / 6"
OREGON CHAIN Pitch Type / number of links	¼" 25AP / 42E
Pins	Nine ¼" teeth
Tank capacity - cl	7
Noise level (L _{PA})* - dB(A)	86
Guaranteed noise level (L _{WA})* - dB(A)	96
Front handle vibration level (a _h)** - m/s ²	2.8
Peristaltic pump	•
Automatic chain tensioner	•
Integrated retractable key	•
Electronic chain brake	•
Carrying case	•
Battery life*** with ULiB 1100	Up to 2 days

• Standard * Values determined according to the acoustic measurement standards DIN EN ISO 3744:1995 and DIN EN ISO 11201:1996.
 ** Vibration emission value following DIN EN 60745-2-13:2008 - Kd uncertainty = 1.5 m/s².
 *** For information: the times were observed in actual working time, without taking breaks into consideration. Battery life is influenced by the nature of the work required.

COMPARATIVE TABLE OF CO₂ EMISSIONS

PELLENC professional power tools eliminate nearly 99% of direct emissions of greenhouse gases compared with a combustion engine, namely, 86 times less. And, if you recharge your PELLENC batteries with our Solerion solar charger, CO₂ emissions are totally eliminated.

	COMBUSTION ENGINE PRUNER Direct emissions + petrol production	SELION M12 Direct emissions + electricity production	WITH SOLERION Direct emissions
 CARBON EQUIVALENT PER DAY	24 kg CO₂	204 g CO₂	0 g CO₂

Specifications: 1kWh EDF corresponds on average to a carbon equivalent of 90g CO₂/kWh in France, covering production and the remainder of its life (ADEME-France) – 1 L of SP95 super fuel has a carbon equivalent of 2.5 kg CO₂/L in direct emissions and 5.5 kg CO₂/L in production + direct emissions – Basis: 6 h working day and 200 annual working days.

ACCESSORIES & CONSUMABLES

6" CARVING GUIDE BAR

Carving bar for pruning
or woodcutting.



Sold as standard

Ref.: 80343

6" ANTI-KICKBACK GUIDE

15 cm guide made
of composite material.



Sold as standard while stocks last.

Ref.: 78790

SHARPENING KIT

Contents: round file,
flat file and splitter.



Ref.: 68520

OREGON CHAIN 1/4" - 25AP - 42E

Anti-kickback chain



Sold as standard

Ref.: 71550

BIODEGRADABLE CHAINSAW OIL

5 litre jerrycan.
Biodegradable
chain oil.



Ref.: 116688



PELENC

Ultra
Lithium
Battery
700

SELION POLE GO HIGHER AND LIGHTER!



FOREXPO

2008

DISTINCTION FOR
"SAFETY AND WORKING CONDITIONS"

I use PELLENC equipment, notably 36 Olivium, 10 Selion Pole and 20 Lixion. Since 2006, our interest in these products has continued to grow, given their technological innovation which meets the present and future needs of our viticulture and olive growing production processes.

Mr Abdelaziz El Kouane

Production Manager, the Brahim Znibe Group Vineyards

SELION POLE PRUNING AT HEIGHT WITHOUT EFFORT

The SELION P180 fixed polesaw and the SELION T150/200 and SELION T220/300 telescopic polesaws offer precision cutting. With a reach of up to 4.5 metres, work can be carried out without a carrying harness because of their lightness. SELION polesaws are ideal for use in noise sensitive areas. They are also powerful enough for forestry work.



Maintenance pruning on a golf course



PELENC ADVANTAGES

PROFESSIONAL

- 1,200 W PELLENC Brushless motor (equivalent to 30 cm³).
- 3 models with fixed or telescopic pole.
- Up to 4.5 metres high.
- Used for pruning olive trees and forest work.
- Minimum battery life of one work day.

ERGONOMIC

- Multi-position tilting head.
- Stability during cutting due to its lightness.

ENVIRONMENT

- Uses biodegradable chain oil.
- Zero emissions and zero waste.

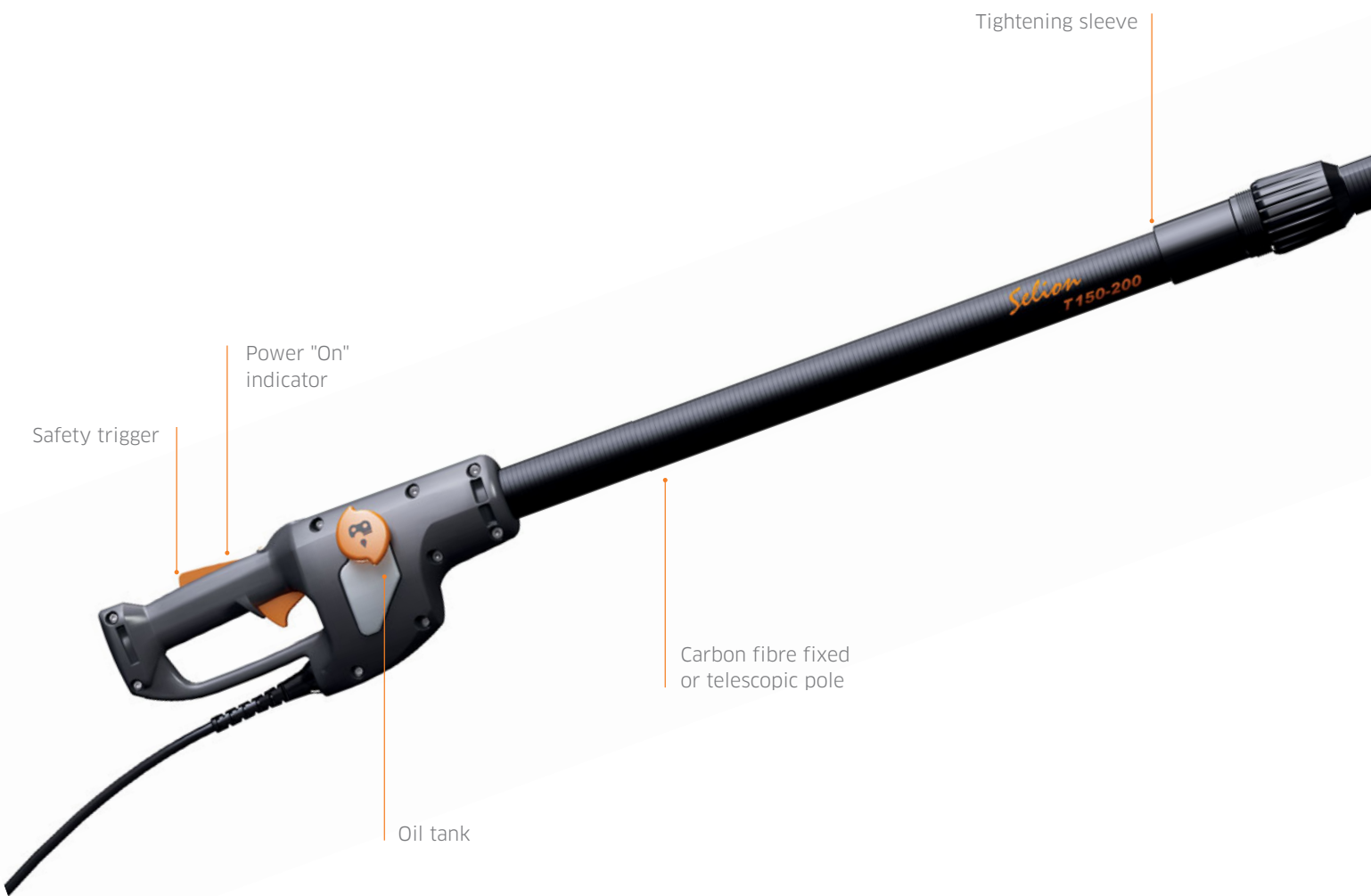
COST-EFFECTIVE

- At least € 7 in petrol saved per day.
- Time savings.
- Low maintenance.
- Consumes up to 30 % less chain oil.



The SELION Perche can extend up to 3 m

PRODUCT ADVANTAGES



SELION P180



SELION T150-200



SELION T220-300

SEE THE VIDEO!



SCAN THIS CODE WITH YOUR SMARTPHONE

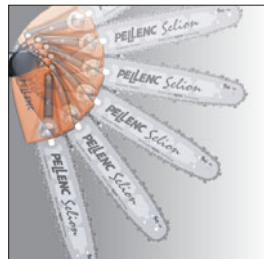




Automatic chain tension

The chain guide is mounted on a spring which tightens the chain automatically.

PELENC patent



Tilting head multiposition

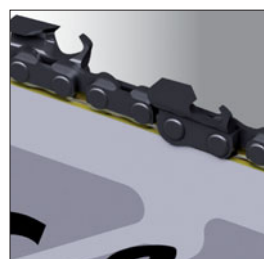
The tool easily adapts to the working environment thanks to its head, which tilts to +90°/-45°.



Integrated retractable key

This wrench retightens the chain and gives quick access to the pin and the chain.

PELENC patent



Electronic control of oil flow rate

The system adjusts chain lubrication according to the cutting force required.

PELENC patent

TECHNICAL CHARACTERISTICS

SELION POLE	P180	T150/200	T220/300
Max. power - W	1,200	1,200	1,200
Combustion engine equivalence - cm ³	30	30	30
Weight - kg	2.8	2.9	3.4
Engine speed - rpm	5,400	5,400	5,400
Length of the pole - cm	180	150 to 200	220 to 300
Chain speed - m/s	10.3	10.3	10.3
Guide length - cm/inches	25/10"	25/10"	25/10"
Oregon chain Pitch Type / Number of links	¼" 25AP / 58E	¼" 25AP / 58E	¼" 25AP / 58E
Pins	Nine ¼" teeth	Nine ¼" teeth	Nine ¼" teeth
Tank capacity - cl	25	25	25
Noise level (L _{PA})* - dB(A)	84	82	80
Guaranteed noise level (L _{WA})* - dB(A)	91	91	93
Vibration level (a _v)** - m/s ²	≤ 2.5	≤ 2.5	≤ 2.5
Multi-position tilting head	+90°/-45°	+90°/-45°	+90°/-45°
Telescopic pole	-	•	•
Peristaltic pump	•	•	•
Automatic chain tensioner	•	•	•
Integrated retractable key	•	•	•
Battery life*** with ULiB 1100	Up to 2 days		

• Standard * Values determined according to the acoustic measurement standards DIN EN ISO 11680-1:2002/2009 - Value increased by K=2.5 according to ISO 4871.
 ** Vibration emission value following DDIN EN ISO 11680-1:2002/2009 - Kd uncertainty = 1.5 m/s².
 *** For information: the times were observed in actual working time, without taking breaks into consideration. Battery life is influenced by the nature of the work required.

COMPARATIVE TABLE OF CO₂ EMISSIONS

PELLENC professional power tools eliminate nearly 99% of direct emissions of greenhouse gases compared with a combustion engine, namely, 86 times less. And, if you recharge your PELLENC batteries with our Solerion solar charger, CO₂ emissions are totally eliminated.



	COMBUSTION ENGINE PRUNER Direct emissions + petrol production	SELION POLE Direct emissions + electricity production	WITH SOLERION Direct emissions
CARBON EQUIVALENT PER DAY	24 kg CO ₂	204 g CO ₂	0 g CO ₂

Specifications: 1kWh EDF corresponds on average to a carbon equivalent of 90g CO₂/kWh in France, covering production and the remainder of its life (ADEME-France) – 1L of SP95 super fuel has a carbon equivalent of 2.5 kg CO₂/L in direct emissions and 5.5 kg CO₂/L in production + direct emissions – Basis: 6 h working day and 200 annual working days.

ACCESSORIES & CONSUMABLES

6" CARVING GUIDE BAR

Carving bar for pruning or woodcutting.



Sold as standard

Ref.: 80343

10" GUIDE

25cm guide made of composite material.



Sold as standard

Ref.: 66756

OREGON CHAIN 1/4" - 25AP - 58E

Anti-kickback chain.



Sold as standard

Ref.: 64486

OREGON CHAIN 1/4" - 25AP - 42E

Anti-kickback chain.



Sold as standard

Ref.: 71550

BIODEGRADABLE CHAINSAW OIL

5 litre jerrycan. Biodegradable chain oil.



Ref.: 85920

SHARPENING KIT



1 round file.
1 flat file.
1 splitter.

Ref.: 68520

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www.pellenc.com



AND STAY CONNECTED WITH US ON VARIOUS
SOCIAL MEDIA PLATFORMS



We hope you enjoy browsing.



PELLENC store

PELLENC offers its entire range of new and used hand-held power tools for sale (AIRION blower, EXCELION trimmer HELION hedge trimmer, etc.). Receive your order within 48 hours at your home, a pick-up location, or at an authorised PELLENC dealer.

<https://store.pellenc.com>



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