





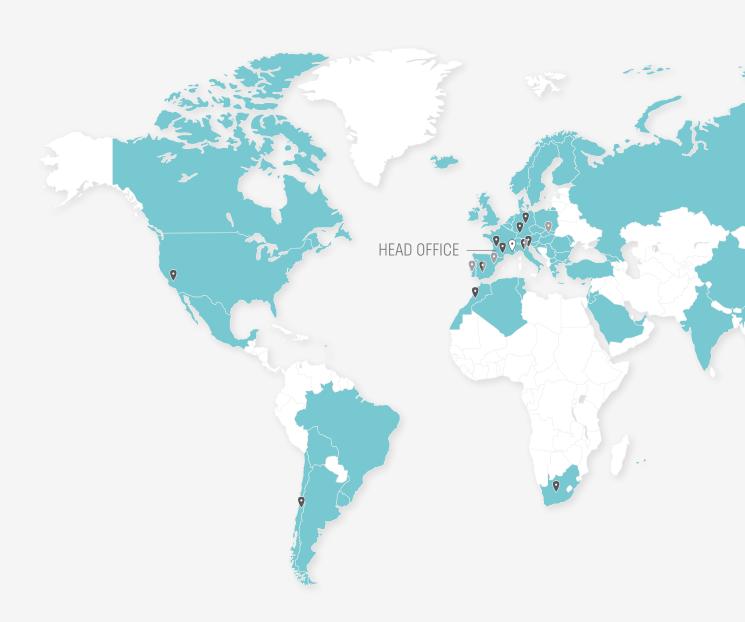




RESPECTING THE ENVIRONMENT	8
ERGONOMICS	11
PERFORMANCE	12
ULIB 750, 1200 & 1500 BATTERY	18
ALPHA 260 AND 520 BATTERIES	20
ERGONOMIC HARNESSES	21
BATTERY LIFE OF MULTIFONCTION BATTERIES	22
ENERGY MANAGEMENT	24
CHARGING STATION	
SECURION	29
RASION 2	33
EXCELION 2 LH / DH	37
EXCELION ALPHA	
HELION 3 New	47
HELION ALPHA	
C45 New	
PRUNION POLE	
SELION M12 Evolution	65
SELION C21 HD Evolution	69
SELION TELESCOPIC Evolution	
CULTIVION ALPHA New	77
CULTIVION	81
CITY CUT	41
AIRION BACKPACK	85
AIRION 3	89
CLEANION	93
CABLE CORRESPONDENCE	96
PRIZES AND AWARDS	97
BESPOK SERVICES	98

AN INTERNATIONAL NETWORK .....

## AN INTERNATIONAL DISTRIBUTION NETWORK



### Countries covered

ALGERIA / ARGENTINA / AUSTRALIA / AUSTRIA / BELGIUM / BOLIVIA / BRAZIL / BULGARIA / CANADA / CHILE / CROATIA / CYPRUS / CZECH REPUBLIC / DENMARK / FINLAND / FRANCE / GEORGIA / GREECE / GUADELOUPE / HUNGARY / ICELAND / INDIA / ISRAEL / INDIA / IRELAND / ISRAEL / ITALY / JAPAN / JORDAN / LEBANON / LUXEMBOURG / MACEDONIA / MAURITIUS / MEXICO / MOROCCO / MOLDOVA / NETHERLANDS / NEW CALEDONIA / NEW ZEALAND / NORWAY /POLAND / PORTUGAL / REUNION / ROMANIA / RUSSIA / SAUDI ARABIA/ SERBIA / SLOVAKIA / SLOVENIA / SPAIN / SOUTH AFRICA / SOUTH KOREA / SWEDEN / SWITZERLAND / TASMANIA / TUNISIA / TURKEY / UNITED ARAB EMIRATES / UNITED KINGDOM / UNITED STATES / URUGUAY.



- Head office Pertuis, France
- **9** Distribution subsidiaries
- **♀** Production subsidiaries FRANCE - SPAIN - CHINA - SLOVAKIA - PORTUGAL
- Mixed subsidiaries (distribution and production) **SPAIN - FRANCE - ITALY**

## **PELLENC IS A FRENCH GROUP WITH AN** INTERNATIONAL **PRESENCE**

We have over 2,000 authorised distributors across every continent.

PELLENC extends its network every year and endeavours to offer its technologies and products to the largest number of customers worldwide.



# PELLENC, SUSTAINABLE SOLUTIONS





## **PERFORMANCE**

- PELLENC motors
- Innovative product design
- PELLENC batteries





## **DURABILITY**

## A DEMANDING ENVIRONMENTAL POLICY FOR THE LONG TERM

Pellenc takes a sustainable development approach that aims to limit the environmental impact of our activities. The group is incorporating this idea across the board, from product design onwards.

### **DURABLE AND REPAIRABLE PRODUCTS**



PELLENC designs and durable, manufactures robust, and repairable tools, motors, and batteries for professional use. We are committed to combating planned obsolescence. For

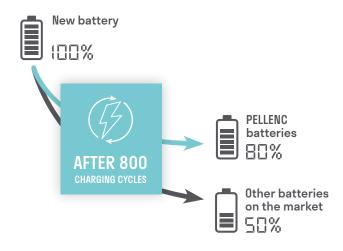
example, the Airion 3 leaf blower is fitted with magnesium parts and an easily replaceable turbine.

For over 10 years, many towns concerned about the environment have placed their trust in us.

PELLENC ULiB 750, 1200, 1500 and Alpha 260 and 520 batteries come with a 3-year\* warranty and all tools for professionals come with a 2-year warranty.

As a pioneering manufacturer of batterypowered tools, our experience has taught us how to build tools that deliver a long service life.

At PELLENC, we talk about the number of charging cycles\*\*\* from which capacity falls to 80% of its initial level. Batteries in this case remain usable.



<sup>\*3&</sup>lt;sup>rd</sup> warranty year free if you register at **guarantee.pellenc.com** within one month from date of purchase.
\*\* A cycle corresponds to one full drainage and one full recharge of the battery.

## RECYCLING

## RECYCLE YOUR TOOLS AND BATTERIES AND LIMIT THE END-OF-LIFE IMPACT

When we are designing any PELLENC product, our first objectives are to ensure a long service life in professional use and easy repairability. This delayed end of life significantly reduces environmental impact.

PELLENC also makes sure the parts used in its products bear material identifier codes to help recycling.

As for the batteries, 98% of the lithium-ion cell components can be recovered using a hydrometallurgical recycling process.

From 1 January 2022, the management method of the WEEE eco-tax will change: the eco-tax will no longer be charged to the user customer but only to the manufacturer. The eco-organisations are responsible for organising their collection.

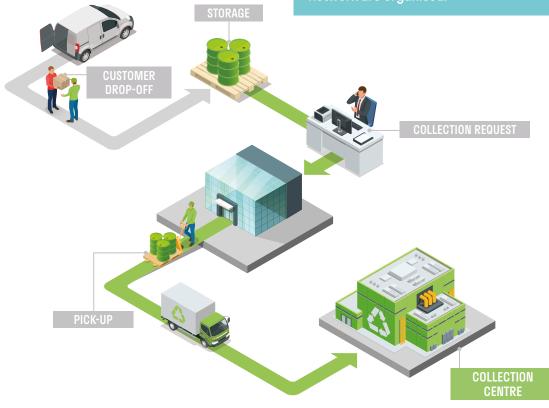
example, in France, the approved ecoorganisations are as follows:

screlec for managing the whole waste battery recycling process, responsible for collecting and recycling your lithium-ion batteries. Your PELLENC distributor will give you suitable storage containers for your spent batteries.

**Ecologic** for collection and processing Waste Electronic and Electrical Equipment (known as WEEE or W3E). When a tool has come to the end of its life, you can take it to your distributor or to any other collection point intended for this type of waste (Eco-system collection point, local disposal site, etc.).

Don't hesitate to ask your distributor if you for collecting and returning your tools to their sales outlets.

We also recommend you consult the websites of these environmental organisations who how the WEEE and the battery disposal network are organised.



## **ZERO WEED KILLERS: AN ALTERNATIVE TO CHEMICAL PRODUCTS**

Changes in European legislation are limiting the use of weed killers in public and private spaces.

PELLENC is the historical partner of local authorities, but is also a pioneer in promoting the use of clean technologies. PELLENC offers a mechanical battery-powered weed removal solution as an alternative to chemical products.

The EXCELION 2 brush cutter with its CITY CUT head offers weed control with no scattering of debris on any surface: gravel, soil, sand, or stabilised bitumen. The CULTIVION and CULTIVION ALPHA soil cultivators are specially designed to working the soil, enabling fast, deep and longterm weed removal.





Street weed removal

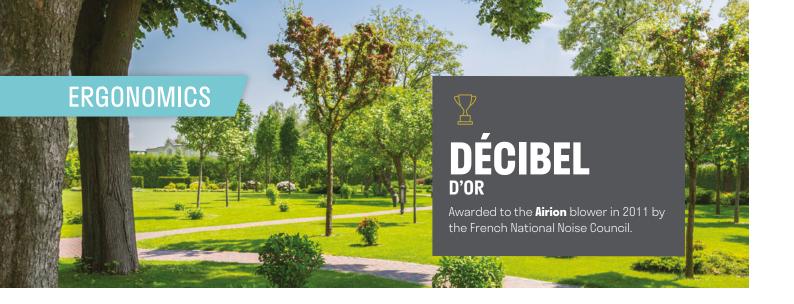
Plot weed removal

## **ZERO EMISSIONS**

For over 10 years, PELLENC has been investing heavily in the design and manufacture of a comprehensive range of "Zero Emissions" battery-powered tools. The goal is to offer the same range of tools with the same performance levels (power, autonomy, etc.) as their thermal alternatives, with no direct CO2 emissions. PELLENC also offers solar charging solutions which guarantee carbon-free electricity generation.







## **LESS NOISE POLLUTION**

The noise level measurements are directly linked to machinery directive 2006/42 /EC.

PELLENC battery-powered tools are electric, with Brushless motors.

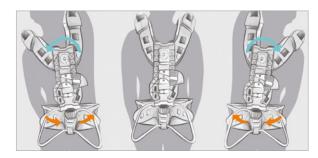
PELLENC's electrical technology reduces the number of components in the tools (no clutch), as well as the moving parts, thus reducing noise emissions. Unlike petrol engines, which operate continuously, the PELLENC brushless motor comes to a complete stop between two work cycles. This limits noise pollution, both for the user and the neighbourhood.

As a result, PELLENC tools have the lowest noise levels on the market. Their noise levels are below European standards requiring use of sound protection (< 85 dB).

## **LESS EFFORT**

Our engineers take an average of three years to develop our ergonomic products. Light-weight, movement support, pressure offsets are all key factors surveyed carefully to facilitate the daily work of users and reduce any repetitive stress risk.

For instance, during the development of our new carrying harness, we made it a priority to distribute 70% of the weight onto the hips to enhance the user's comfort.



As for the Helion Alpha hedge trimmer, it is designed for optimal balance and an ideal centre of gravity as the user moves it through the plant growth.

## **LOW VIBRATIONS**

Vibrations are at the heart of our concerns. With the development of our new generation trimmer, we have succeeded in achieving an exceptionally low vibration level of 0.7m/s<sup>2</sup>. For each new generation tool, our teams work had to improve this key performance factor.

Vibration performance is also linked to European Machine Directive 2006/42EC.





## **PELLENC MOTORS**

## **30 YEARS OF EXPERIENCE IN BRUSHLESS MOTORS**

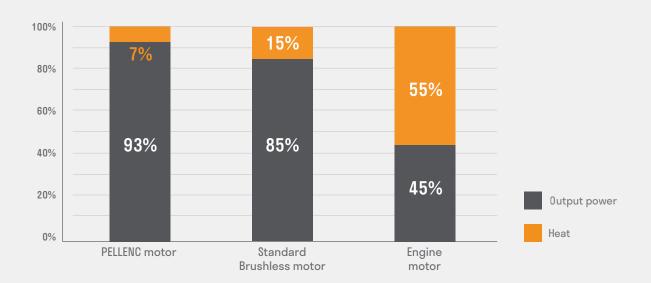
BRUSHLESS motors wholly manufactured by PELLENC are highly efficient and extremely robust. Efficiency is the ratio between the output power and the energy drawn from the battery.

As a trailblazer in battery power tools, PELLENC added DC motor technology to its first pruning portable power tools.

The brushless motors made by PELLENC offer performance, reliability and durability for your tools, while reducing their power consumption, weight and overall size. for accurate, fatigue-free work.



## **BEST COMPARABLE YIELD: PELLENC MOTORS REACH 93%**



#### **HEAT HOLDS BACK BATTERY PERFORMANCE**

Heat uses up power capacity unnecessarily. PELLENC provides 8% (=15%-7%) of additional motor efficiency capacity, which lets the user keep working for longer.

## **INNOVATIVE PRODUCT DESIGN**

PELLENC design integrates very different technologies but also constantly challenges existing business standards to better meet user needs.

RASION 2 professional mower:

Optimal power with no loss of speed.







#### **POWERFUL**

Best integrated capacity/weight ratio



#### **ECO-FRIENDLY**

Zero CO., emissions 80% recyclable battery



#### **MULTIFUNCTION**

Compatible with all PELLENC tools since they were first manufactured.



#### **DURABLE**

The leading service life on the market, with 80% of initial capacity after 800 or 1,300 complete cycles, depending on the range.



**HARDY** 



**COMPACT** 



inside a waterproof casing

## SERVICE LIFE: PELLENC AND LITHIUM-ION ENERGY

### 1. New cells that are highly resistant to charging and discharging cycles.

At the heart of the battery, the lithium-ion cell was chosen for its available energy capacity and its service life.

The cells are sensitive to the level of charge: too low a charge and the cells die, too high a charge and they become unstable.

#### 2. High-performance electronic management

Charging must stop before one of the cells becomes unstable. The other cells will not necessarily be fully charged, and the capacity will be reduced.

## **5 YEARS OF UPSTREAM TEST**

## **BALANCE SYSTEM**

## MULTIFUNCTION



#### 3. Cell assembly

The assembly of the cells affects the life of the batteries. They must withstand the vibrations and impacts inherent to professional use.

### 4. Batteries that last - accurate diagnostics and repairable

An annual diagnostic is recommended for proper maintenance of professional equipment and appropriate recommendations for use.

## **WELDLESS CONNECTOR PROCESSES**

## **REPAIRABILITY**

## **LONG-TERM SAVINGS**

### **COST OF USING A PELLENC PRODUCT**

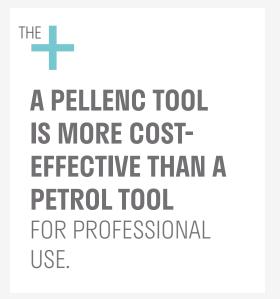
PELLENC power tools are a great investment, and quickly pay for themselves.

We calculated the break-even point of a PELLENC tool relative to an equivalent petrol tool, taking into account:

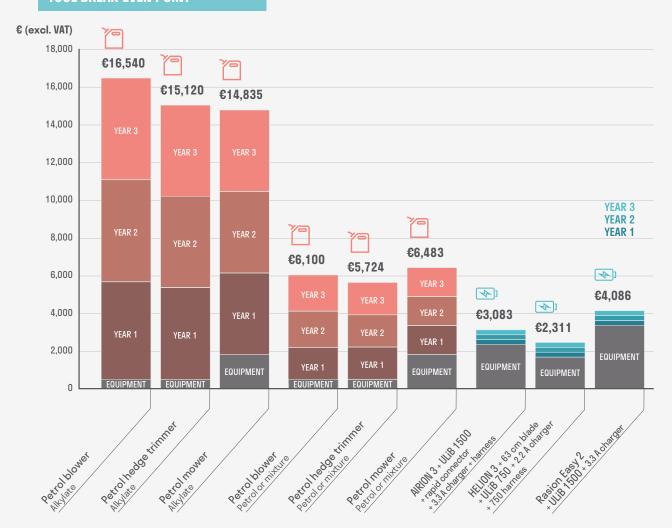
- The cost of recharging a battery per day worked
- The cost of the petrol or alkylate-based mixture per day worked

Note: maintenance and management costs are not included in this calculation.

These fixed costs are higher for petrol tools.



## **TOOL BREAK-EVEN POINT**



## RAPID RETURN ON INVESTMENT

## CALCULATE THE RETURN ON INVESTMENT FOR A BRUSH CLEARING SOLUTION



€16,780



Petrol brush cutter Alkylate



Petrol brush cutter Petrol or mixture



**EQUIPMENT** 

EXCELION 2 with strap + TAP CUT 3 + ULiB 1500 battery

- + 3.3A charger + comfort harness



#### DATA USED

- •Battery recharging: €0.21
- •Petrol blend: €1.60/litre
- •Alkylate mixture: €4.50/litre
- •Daily consumption: 5 litres
- •Petrol blend cost per day: €8
- •Alkylate mixture cost per day: €22.50
- •Days worked/year: 240

## **SAVINGS WITH EACH USE**

difference between the cost of petrol per day and the cost of battery charging

savings in gasoline or alkylate-based mixture

## **ULIB 1500 & 1200 ULIB 750**



 $^*3^{\rm rd}$  year of warranty free of charge by signing up at gua**rantee.pellenc.com wi**thin 1 month of the date of purchase



ULiB 1500 & 1200 ULiB 750

## THE ADVANTAGES OF PELLENC



Quick-clipping system on the harness.

Ergonomic handle, easy to transport PELLENC patent



### **Battery display**

Backlit with an hour counter for each type of tool



Upper on/off button



### Reversible battery on its comfort harness

Tool connection at the top or the bottom.

#### ULIB 1500 & 1200



#### Natural 360° ventilation

Sealed ventilation system. Natural ventilation of the battery cells delivers maximum efficiency. PELLENC patent

#### **ULIB** 750



### Sleek and compact design

Stacked assembly of lithium-ion cells for greater compactness



## **TECHNICAL FEATURES**

	ULiB 750	ULiB 1200		ULiB 1500	
Weight without harness - kg	4.5	6.3		7.5	
Harness weight - kg	0.8	1	.5	1.5	
Power available - W/h	745	12	21	1491	
Recommended chargers	2.2 A charger	3.3 A charger	Quick charger	3.3 A charger	Quick charger
Recharging to 100%	9 hrs	10 hrs	5 hrs. 30 min.	12 hrs	7 hrs
Recharging to 90%	7 hrs 30 min	8 hrs 30 min	4 hrs.	10 hrs 30 min	5 hrs.
Voltage - V	43.2	43.6		43.6	
Capacity - Ah	17.25	28		34.5	
Battery life	2 hrs. 30 to 1.5 days according to tool**	1 hr. to 2.5 days according to tool**		1 hr. to 3 days according to tool**	
Watertight sealing	IP 54	IP 54		IP	54
Average service life - Cycles	800	1300*		1300*	

With PELLENC, the number of cycles corresponds to the moment when the battery has lost 20% of its capacity. It can still be used nonetheless. \*\* See p.22 - Tool autonomy

### **ULIB 750**

## ULIB 1500 & 1200





<sup>\*</sup>One cycle = one full charge/discharge. \*\*Price corresponding to cost of €0.14 incl. VAT/kWh in France.

## ALPHA 260 & 520





\*3rd year of warranty free of charge by signing up at guarantee.pellenc.com within 1 month of the date of purchase





The range of ALPHA integrated batteries includes two models: 260 and 520.



ALPHA batteries can also be used to power the other tools in the green spaces range.

**ALPHA** harness

## **TECHNICAL FEATURES**

BATTERIES	ALPHA 260	ALPHA 520
Weight (without harness) - kg	2.5	3.6
Charging time - h	Depending on charger	Depending on charger
2.2 A charger (70% / 100%)	2 hrs/3 hrs 45 min	3 hrs 45 min/6 hrs 30 m
3.3 A charger (70% / 100%)	1 hr 15 min/2 hrs 45 min	2 hrs 30 min/4 hrs 30 min
7.6 A Quick Charger (70%/100%)	30 mins/1 hr 45 mins	1 hr/2 hrs 30 min
Average service life: number of charge cycles*	800	800
Compatibility with the tool	Yes, excluding Rasion and Excelion	Yes

The use of Alpha batteries with the following energy-consuming tools: Excelion 2, Airion, Selion C21, Rasion, can potentially cause short stoppages in intensive conditions. A battery with greater capacity like the ULiB 1200 or 1500 is recommended because it works better under extreme conditions. \*At PELLENC, the number of cycles corresponds to the moment the battery loses 20% of its capacity. It can still be used nonetheless.



## **POWERFUL**

## **ERGONOMIC**



## **ADAPTABLE**



## **BATTERY LIFE**

## **ERGONOMIC HARNESSES**



750 **HARNESS** 



Harnais 750

### COMFORT **HARNESS**



Harnais Confort

## ALPHA **HARNESS**



Harnais Alpha

## **TECHNICAL FEATURES**

	COMFORT HARNESS	750 HARNESS	ALPHA HARNESS
Weight - kg	1.5	0.8	1.4
Battery compatibility	1500, 1200 and 750 batteries Adapter plate for 700 and 1100 batteries	750 batteries	Alpha 260 and 520 batteries
Harness adapter kits		AIRION 3 strap and EXCELION 2 carrying strap	



## **STRONG**

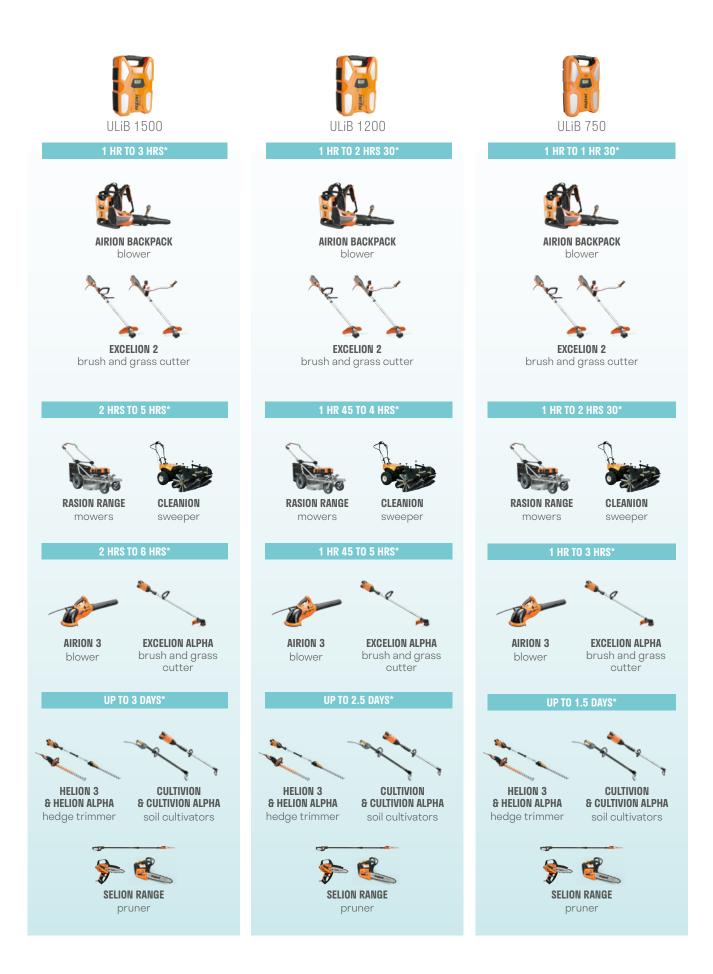
## **ERGONOMIC**



Designed in partnership with extreme hiking professionals.

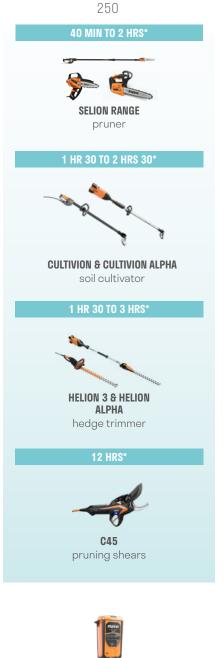


## **AUTONOMY - RANGE OF MULTIFUNCTION PELLENC BATTERIES**









150P

C45

pruning shears

<sup>\*</sup> Total working time for average professional use. This time includes tool stoppages inherent to the job.

## STANDARD OR QUICK CHARGERS SOLERION SOLAR CHARGER







STANDARD CHARGERS 1.2 A - 2.2 A - 3.3 A

RAPID CHARGER "QUICK CHARGER"

**SOLERION SOLAR CHARGER** 

## **TECHNICAL FEATURES**

## SOLAR PANELS ADAPTABLE TO SOLAR CHARGER

- MC4 solar panel sockets
- Voc (open circuit) = 42V +/-2V. Vmp (standard) = 36 V
- Imax input = 8A, sequential battery charging per battery. The PELLENC after sales team is available to review your needs.

## **CHARGER AND BATTERY CHARGING TIME**

CHARGERS*	250	ALPHA 260	ALPHA 520	750	1200	1500
1.2 A standard charger	6 hrs	-	-	15 hrs 30	24 hrs	30 hrs
2.2 A max. standard charger	3 hrs 30	3 hrs 45	6 hrs 30	9 hrs	15 hrs	18 hrs
3.3 A max. standard charger	-	2 hrs 45	4 hrs 30	5 hrs	10 hrs	12 hrs
7.6 A max. Quick Charger	-	(70%) 30 mins (100%) 1 hr 45	(70%) 1 hr (100%) 2 hrs 30	3 hrs	(90%) 4 hrs (100%) 5 hrs 3	(90%) 5 hrs (100%) 7 hrs
Solerion solar charger: 600 W/m² sunshine	3 hrs 20	2 hrs	4 hrs	5 hrs 45	9 hrs 10	11 hrs 30
Solerion solar charger: 1000 W/m² sunshine	3 hrs 20	1 hr 10	2 hrs 20	3 hrs 20	5 hrs 10	6hrs 30

<sup>\*</sup> Charging time calculated in optimal conditions. Refer to the battery instructions for conditions. The indicated charging times are those required to reach a 100% charge. Batteries can be charged at any time, there is no memory effect.

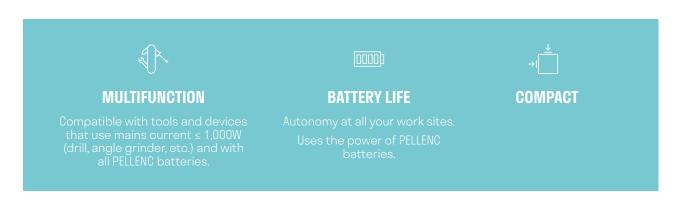
## POWER CONVERTER



## **TECHNICAL FEATURES**

Rated power - W	1,000	
Maximum power - W	2,000	
Input voltage - VDC	36 - 52	
Maximum input power - A	55	
Output voltage (VAC +/- 5% pure sine wave)	230	
Output power at 1,000 W maximum - A	4.5	
Output frequency - Hz	50 60	
Weight - kg	2.3	
Battery compatibility	250 - Alpha 260 - Alpha 520 - 750 - 1200 - 1500	

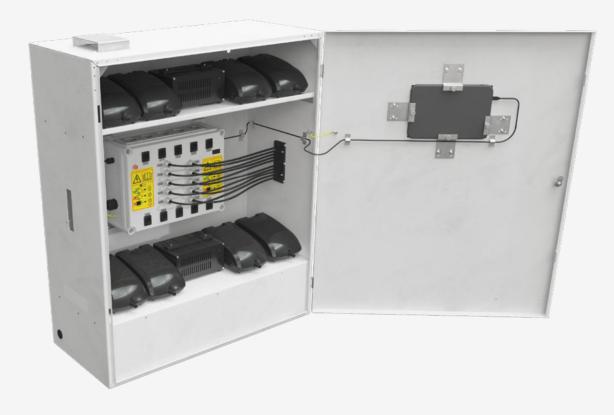
Caution: do not plug the Power Convertor 1000 into an electrical supply distribution network.



## **CHARGING STATION**

## 2-YEAR WARRANTY





Non-contractual photos - chargers not included.





#### Viewable data:

- Actual consumption of the cabinet
- Savings in  ${\rm CO_2}$  emissions compared to a petrol tool
- Savings euro compared to a petrol tool
- Manually send the charging report over Wi-Fi

### Real-time battery management:

- Charge one or more batteries
- Defer the charging of one or more batteries
- Pause charging
- Keep one or more batteries charged Batteries 🛨

## **TECHNICAL FEATURES**

	CHARGING STATION
Capacity	10 battery chargers (including a maximum of 2 quick chargers)
Dimensions (L x H x W) - cm	81 × 98 × 39
Weight without charger - kg	75
Weight with 10 chargers - kg	90



## **OPTIMISED TIME**



## CONNECTIVITY



## **SAFETY**



### **COST EFFECTIVE**







## YOUR BATTERIES CHARGED IN COMPLETE SECURITY

Fire-protection storage cabinet for lithium-ion battery storage.

Available in M and XL models, they can store up to 40 batteries.

All SECURION models are compatible with CHARGING STATION, in order to combine fire-protection storage and charge management of your PELLENC batteries.

## MORE THAN JUST A CABINET: AN INTEGRATED CHARGING AND STORAGE SOLUTION





#### 2 MODELS FOR BATTERY STORAGE AND **CHARGING**

Both models are compatible with the CHARGING STATION and are available in M and XL sizes.

- STANDARD M / XL : fire-protection storage compatible with the CHARGING STATION.
- STATION M / XL : fire-protection storage compatible with the CHARGING STATION + integrated 230 V sockets on the first two floors of the cabinet. Smart box and/or individually lockable lockers available as option.

The M model can hold 20 batteries and the XI model 40 batteries.

#### **AVAILABLE AS AN OPTION**



### **SMART BOX**

Monitoring unit that signals in the event of fire (visual and audible alert).



#### **LOCKABLE COMPARTMENTS**

For secure access all compartments are individually lockable in addition to the central door.

## THE ADVANTAGES OF PELLENC

#### **ENHANCED SECURITY**



The doors close automatically in case of fire inside or outside the cabinet.



5 thermocouple temperature sensors on the central partition with thermal insulation for each level.

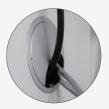


2 NW 75 air outlets with connector for connecting the cabinet to an air evacuation duct.

#### **EASY INSTALLATION**



Charging cable passages with stain-less steel tube. Earthing connection on top of the cabinet.



The charging cables are fed directly into each compartment via the walls.



1 perforated sheet steel floor retention tray.

## **TECHNICAL FEATURES**

	SECURION M / XL		
Application	Secure storage of lithium-ion batteries		
Fire-resistance class	F90 (90-minute	fire resistance)	
Standards	NF EN 14470-1, NF EN 1612	1, NF EN 16122 and NF 31000	
Protection from damage	VdS3103		
Certifications	GS (safety certified) and EC		
External cabinet dimensions (W $\times$ D $\times$ H) - mm	M: 594 × 612 × 2 085	XL: 1 194 × 612 × 2 085	
Internal sockets (STATION model)	8	16	
Weight - kg	320	540	
Total number of compartments	5	10	
Storage capacity (ULiB 1500/1200)	20	40	
Exterior and doors	Powder coated sheet steel (RAL 9001), backflow protection		
Interior	High-quality panels (RAL 7035), retention tray on the floor		









## RASION 2



## **2-YEAR WARRANTY**





### **RASION SMART 2 SELF-PROPELLED MOWER**

SMART 2

SMART 2

### **RASION EASY 2 SELF-PROPELLED MOWER**

EASY 2

FASY 2

## THE ADVANTAGES OF PELLENC



#### Silent wheel motor

Directly driven brushless wheel motor. 91 dB at cutting speed 3 and 93 dB at maximum power.



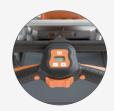
#### **Heat dissipation**

IMS circuit board\* derived from LED technologies. Increases the electronic capacity and improves heat exchange, while extending the limits of the machine.



#### Precision manoeuvring

Zero Turn system: swivel wheels for precision manoeuvring between planting beds. Mow in straight lines on slopes by activating the front wheel turning lock.



### **Cutting adjustment**

Centralised cutting height adjustment: manual or electronic from 25 to 75 mm.



### Optimised automatic unblocking system

Reverse rotation of the blades. Allows excess grass to be removed from the cover while keeping the mower running.





#### Electronic control panel

Single arm, electronic control panel for adjusting the cutting height, ground speed, and the rotational speed of the blades.



### Mowing comfort

The ICC\*\* blade-rotation regulator adjusts speed based on the density of the grass.

## **TECHNICAL FEATURES**

COMPARISON	EASY 2	SMART 2
Cutting width	60 cm	
Flexible collection bin	70 L	
Weight without battery or bin	28 kg	30 kg
Battery life with the ULiB 1500 battery	5,400 m	) <sup>2</sup>
Maximum cutting power	1,600 V	V
Guaranteed sound power level (L <sub>WA</sub> )** - dB(A)	93 dBA	\
Sound pressure level (L <sub>pA</sub> )* - dB(A)	83.5 dE	3
Vibrations (a <sub>h</sub> )*	0.7 m/s	,2
Collection blades as standard	2	
Blade speeds	4 or 3 + ICC*** available as an option	4 (4+1 ICC***)
Rotational speed of the blades	3,000-5,000 rpm	
ICC* infrared plant growth detector	Available as an option	Yes
Boost> 5,000 rpm	Yes	
6 cutting heights	25/35/45/55/65/75 mm	
Centralised height adjustment	Manual Electronic	
Mulching kit	Available as an option	
Ground speeds	Self-propelled 2/3/4/5 km/h	
Front wheel locking	Free or locked position	
Cover	Cast aluminum	
LED display	No	Yes
Zero Turn	Yes	
Immobiliser safety feature in the vertical position	Yes	
Automatic unblocking mode	Yes	
Parking brake	Manual Electric (semi-automatic)	
IP54	Yes	

<sup>\*</sup> Noise and vibration measurements according to standard EN 60335-2-77.



## **PRODUCTIVE**



## **ERGONOMIC**



## **DURABLE**



## **BATTERY LIFE**

<sup>\*\*</sup> According to Directive 2000/14/EC.

<sup>\*\*\*</sup> Intelligent Cutting Control.







EXCELION 2 DH

EXCELION 2 LH

# THE ADVANTAGES OF PELLENC



Professional-grade blue corrugated and aerodynamic cutting wire for a clean and even cut. High heat resistance: 260°



# Quick connector

Enables quick connection and disconnection of the tool and the battery.



The Excelion 2 is delivered with the TAP CUT 3 cutting head + low bowl.



### **External cooling system**

Cooling system means performance can be maintained over time.

### **ERGONOMIC**

### **SMART HANDLE**



- A Speed selection paddle and Boost trigger + 5 Speed limiter
- **B** Rear trigger for progressive and responsive acceleration
- **©** Quick menu access button

### At a glance

- 1 Current speed (4 speeds)
- 2 Remaining battery life in hours/minutes or %
- 3 Power bar graph
- 4 Energy saving info < 500 W

#### **Alerts**

- 6 After-sales service maintenance message
- 7 "Fault" alert
- 8 Screen lock

### **Control options**

Boost triggered Speed limiter triggered

# **TECHNICAL FEATURES**

	EXCELION 2 DH HANDLEBAR HANDLE	EXCELION 2 LH ROUND HANDLE
Cutting diameter wire - mm	420	
Cutting diameters chopping blade / blades / saw - mm	290 / 320 / 230	
Weight (with TAP CUT 3 + casing, without cable) - kg	6.5	5.5
Weight (with TAP CUT 3, without casing, and without cable) - kg	5.9	4.9
Rotational speed - rpm	1 = 3,000 / 2 = 4,200 / 3 = 5,400 / 4 = 6,600 Boost (with chopping blade)	
Max. wire diameters - mm	ø 2.4 to 3	
Total length - mm	1,870	
Interchangeable heads and blades adaptable blades on cups	TAP CUT 2 & 3, CITY CUT, chopping kit with high cup + mulching blade sawing kit + saw, tri-blade or twin blade + low cup.	



### **PRODUCTIVE**



### **SMART MANAGEMENT**



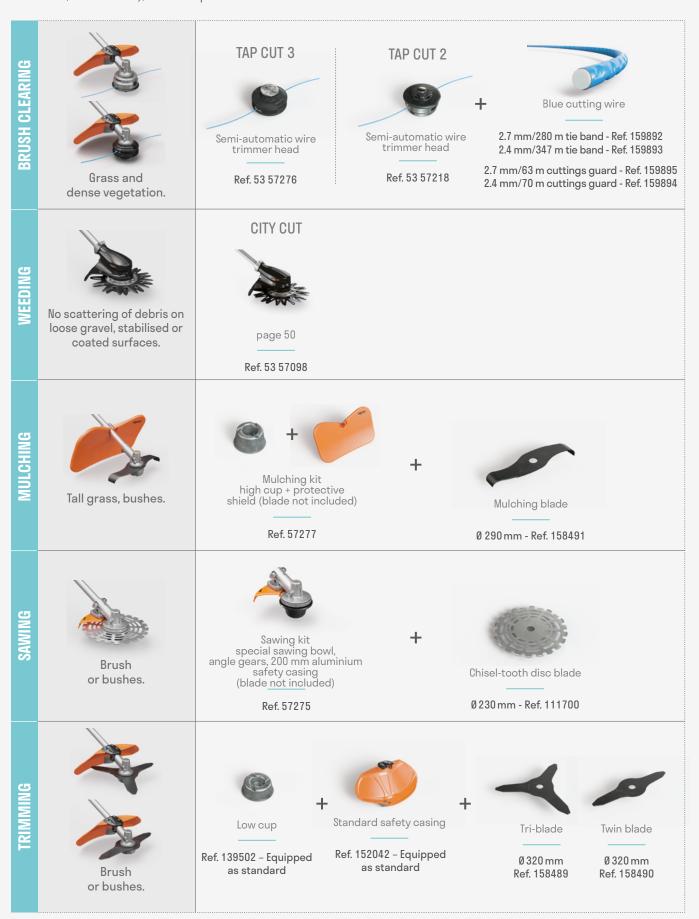
### **MULTIFUNCTION**



### **ERGONOMIC**

### A CUTTING HEAD FOR EACH USE

Excelion 2 is supplied with its universal angle gears, a TAP CUT 3 cutting head loaded, a low bowl (for the trident blade or twin blade, not included), and a strap kit.







Committed to reducing pollution, operating costs, and the use of pesticides.

# **TECHNICAL FEATURES**

Weight - kg	1.6
Cutting diameter (Ø mm)	230
Tool compatibility	EXCELION 2, EXCELION 2000



Unique counter-rotating technology



**SAFE** 



**PRODUCTIVE** 



**FAST** 



Certificate for low debris scattering issued by KWF, a German laboratory







# THE ADVANTAGES OF PELLENC



The Alpha range can use PELLENC integrated or backpack batteries. Thanks to the harness, Alpha batteries can be used for other tools in the PELLENC range (see table p.24-25)



Carrying strap with charge indicator for maximum comfort during long work sessions.



For mowing tall grass, embankments, ditches, finishing work



Remaining battery life display and tool start-up

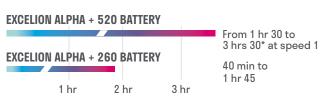


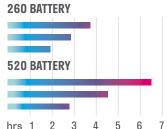
Motor + ISM\* technology card with increased heat exchange, more power

## **BATTERY LIFE**

## **CHARGING TIME**

Range of tools with integrated batteries to meet the needs of professionals.





2.2 A - 3 hrs 45 (2 hrs for 70%) 3.75 A - **2 hrs 45** (1 hr 15 for 70%) 7.6 A - 1 hrs 45 (0 hr 30 for 70%)

2,2 A - 6 hrs 30 (3 hrs 45 for 70%) 3.75 A - 4 hrs 30 (2 hrs 30 for 70%) 7.6 A - 2 hrs 30 (1 hr for 70%)

# **TECHNICAL FEATURES**

	GRASS CUTTER
Max. power - W	900
Weight (excluding cutting tool, casing, and battery) - kg	2.5
Weight (full tool with ALPHA CUT and casing, without battery) - kg	3.1
Max. rotational speed - rpm	3 speeds: 4,000 / 5,800 / 6,400
Cutting diameter with ALPHA CUT - mm	Ø 400
Loading trimmer line with ALPHA CUT - Ø 2.4 and 3 mm	3.5m
Progressive trigger	Yes
Cutting heads	ALPHA CUT
*Battery life with the 260 battery	40 min to 1 hr 45 min
*Battery life with the 520 battery	1 hr 30 min to 3 hrs 30 min
Total tool length (battery > cutting head) - cm	189

<sup>\*</sup>Overall working time for average professional use. This time includes tool stoppages inherent to the job.



<sup>\*</sup>Overall working time for professional use at speed 1. This time includes tool stoppages inherent to the job. Working times reported by users.





# QUALITY PRUNING AND TRIMMING WITH SAFETY IN MIND



# 2-YEAR WARRANTY

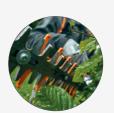


# THE ADVANTAGES OF PELLENC



Blade protector Complies with the latest safety standards. NEW

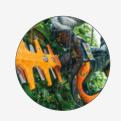
Robust cutter blade



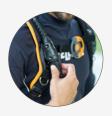
Hedge trimmer blades with robust teeth characterised by: a thickness of 2.25 mm, an opening of 33 mm, a spacing of 40 mm and a height of 23 mm.



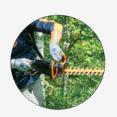
**Quick Switch** Change blades in a flash.



Waterproofing The IP54 sealing rating allows the user to work even in rainy conditions.



Quick connector system Allows quick connection and disconnection of the tool to the battery during work sessions. Identical connection system throughout the range. NEW



Lightweight Only 3.6 kg.

# INTERCHANGEABLE HEDGE TRIMMER BLADES



51 cm | 63 cm | 75 cm



Deflector (adaptable to the 63 cm hedge trimmer blades)

# **TECHNICAL FEATURES**

Power (W)	1,200		
Tool voltage (V)	43.2		
Hedge trimmer blade (cm)	51 63 75		75
Tool + hedge trimmer blade weight* (kg)	3.4	3.55	3.7
Tooth spacing/pitch (mm)	33		
Tooth height (mm)	23		
Tooth thickness (mm)	2.25		
Blade speeds (cuts/mn)	3,200 to 3,800		
Sound pressure ( $L_{pA}$ )** - dB(A) - uncertainty $K_{pA}$ : 1.5 dB (A)	80		
Guaranteed sound pressure ( $L_{WA}$ )** - dB(A) - uncertainty $K_{WA}$ : 2 dB(A)	93		
Vibration emission values*** at the handle (m/s²)	a <sub>h</sub> = 3.4		
Protection rating/sealing	IP54		

<sup>\*</sup> Compliant according to standard EN 62841-1 §5.17.



### **PRODUCTIVE**



### **ERGONOMIC**



### **DURABLE**

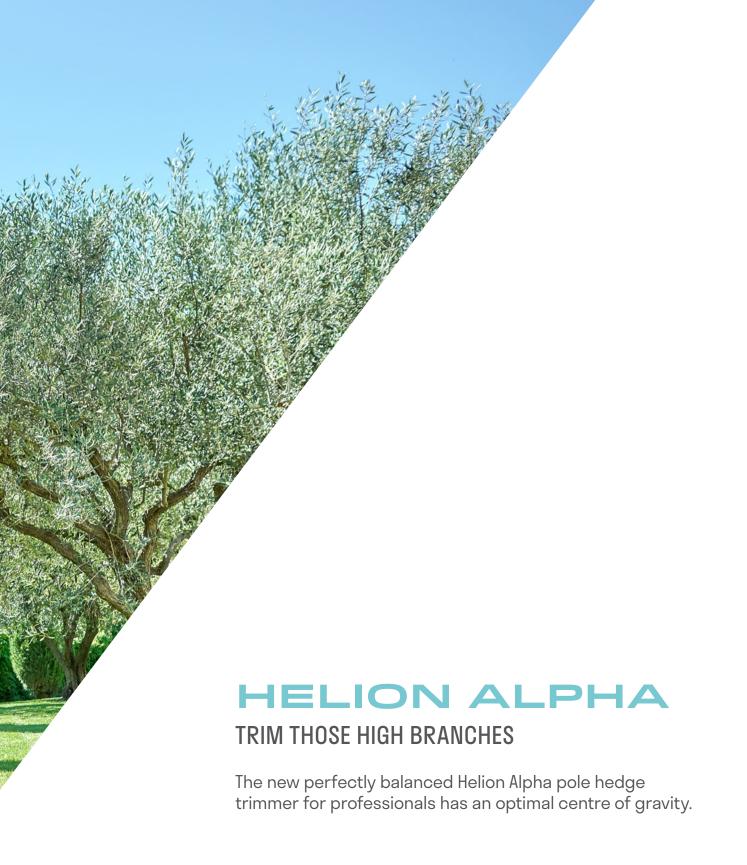


### **SAFE**

<sup>\*\*</sup> Values determined according to noise measurement standards NF EN ISO 11201, NF EN ISO 3744.

<sup>\*\*\*</sup> Vibration emission values at the handle determined according to EN 62841-4-2: 2009 - uncertainty of K=1.5 m/s².







# THE ADVANTAGES OF PELLENC



The Alpha range can use PELLENC integrated or backpack batteries. Thanks to the harness, Alpha batteries can be used for other tools in the PELLENC range (see table p.24-25)



Ergonomic button Tilt angle: from -90° to +45°: 10 positions



Dimensions reduced to -180°: foldaway cutting head for transport



Remaining battery life display and tool start-up



SMI technology card with heat exchange, more power

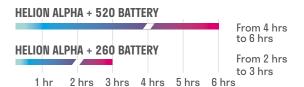


### Offset angle

Useful for moving away from the hedge without tilting the cutter bar to gain better working visibility.

## **BATTERY LIFE**

Range of tools with on-board batteries to meet the needs of professionals.



## **CHARGING TIME**



<sup>\*</sup>Total working time for average professional use at speed 1. This time includes tool stoppages inherent to the job. Working time provided by users.

# **TECHNICAL FEATURES**

	HEDGE TRIMMER
Max. power - W	900
Weight (without battery) - kg	3.75
Tool length when folded - cm	140
Total tool length - cm	235
Cutting rate - cuts/min	3 speeds: 3,200/3,500/3,800
Available cutting length - cm	51
Tooth opening - mm	33
Tine spacing - mm	40
Tooth height - mm	23
Tooth thickness - mm	2.25
*Battery life with the 260 battery	2-3 hrs
*Battery life with the 520 battery	4 to 6 hrs



### **POWERFUL**



### **ERGONOMIC**



### **ADAPTABLE**





MADE IN FRANCE

### A CONCENTRATION OF TECHNOLOGY



# THE ADVANTAGES OF PELLENC



### An exceptional PELLENC cutting head

Choice of two blades with optimised geometry and penetration into the plant growth (+1cm front clearance), excellent cutting quality. NEW

Blade shaft with integrated greasing nipple. NEW

An intuitive trigger for precise and natural management of the blade opening.

### **PELLENC** motor management

Powerful and perfectly controlled cutting even at very low speeds—for unrivalled precision. NEW



#### **Built to last**

The body, ball screws, and nuts are all made from high-strength materials. NEW

Servicing interval increased to 400 hours for more cost-effective maintenance.

# Four operating modes



### C1 PROGRESSIVE **HALF-OPENING**

Fast steady with halfopening



### **C2 PROGRESSIVE**

Steady without half-opening



### C3 ON/OFF **HALF-OPENING**

Fast with blade half-opening



#### C4 FAST ON/OFF

Fast without half opening

### **TECHNICAL FEATURES**

PRUNING SHEARS	G45
Cutting diameter (mm)	45
Blade opening (mm)	67
Weight (g)	865
Sound power level** (L <sub>WA</sub> ) (dB)	74
Sound pressure level** (L <sub>pA</sub> ) (dB)	63
Power supply voltage (V)*	43.2
Motor speed (rpm)	23000.
Pruning shears length (mm)	295
Dimensions of the oval-shaped handle (h*w) (mm)	40*38
Compatible batteries	150P/250

<sup>\*</sup>Triaxial vector sum, determined in accordance with EN 62841-1 (uncertainty of K=1.5 m/s²). \*\*Uncertainty of K=3·dB.

# ACTIV'SECURITY NEW

Activ'Security is a safety feature that instantly stops the blade if it comes into contact with the user's finger.

The Activ'security safety feature works by means of a natural conductive loop formed by three contact points (in orange).

With double hand contact on the trigger and the lower body, the Activ'Security safety feature is engaged as soon as the user touches a metal part of the cutting head with the other hand.

The use of PELLENC conductive gloves is recommended for optimal safety in very wet or extreme conditions. Two models available, in six sizes: "Lightweight comfort" and "Waterproof & breathable comfort". PELLENC PATENT





### **SAFETY**



### **PRODUCTIVE**



### **STURDY AND DURABLE**



### **ERGONOMIC**



 $^*3^{rd}$ year of warranty free of charge by signing up at gua**rantee.pellenc.com wi**thin 1 month of the date of purchase.

# **150P BATTERIES**

UNRIVALLED FREEDOM OF MOVEMENT



### ULiB 150 and 150 P IP54 batteries

The IP54 protection rating against dust and water ingress allows the user to work even in rainy conditions.

### **Extended battery life**

20% longer battery life for the 150 and 150P batteries. NEW

# **250 BATTERY**

TWO OUTPUT CONNECTORS



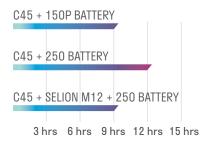
# PRODUCTS SUITED TO YOUR NEEDS

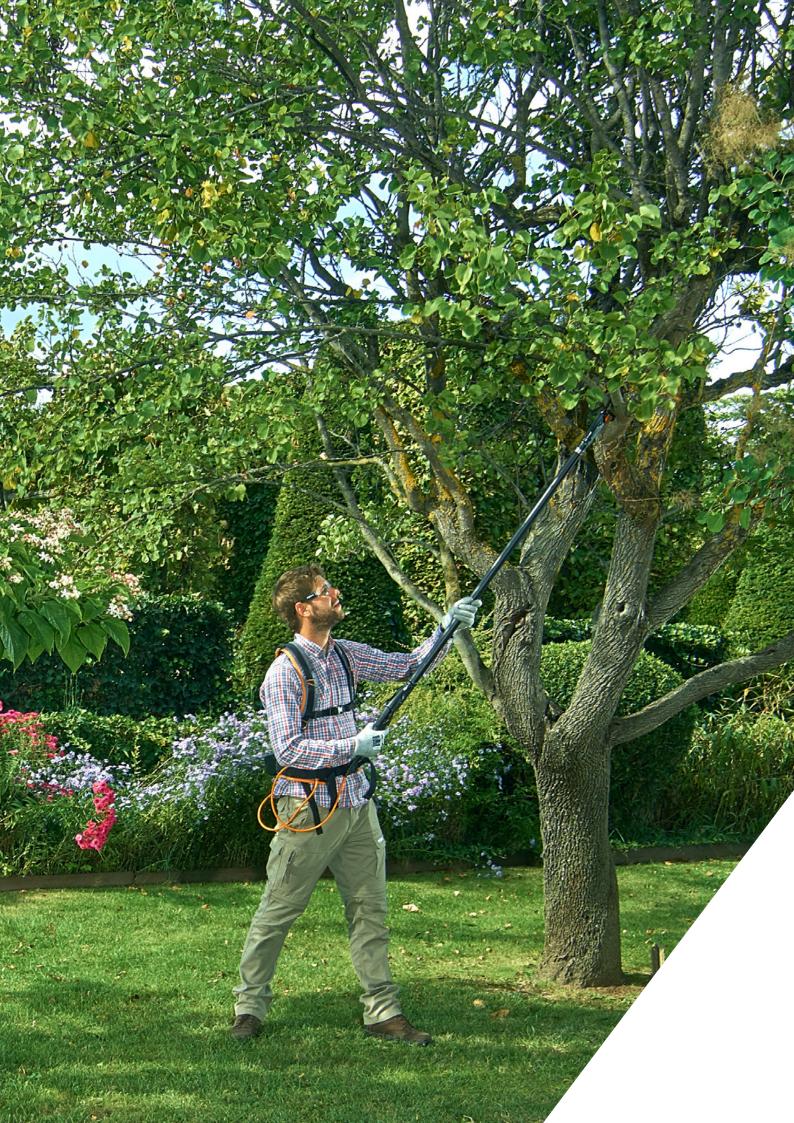


# **TECHNICAL FEATURES**

COMPATIBLE BATTERIES	250	150P
Weight (g)	1,680	845
Max. power (W)	1,730	1,730
Average service life (cycles)	1,000	800
Carrying	Harness	Belt
Charging time to 100% (h)	7	8
1A fast charging (hrs.)		4 hr
2.2A fast charging (hrs.)	3 hrs 30	

#### **AVERAGE BATTERY LIFE (h)\***







Adapt the pole to your shears for complete safety while working at height.

# FROM THE PRUNION PRUNING SHEARS...



# ...TO THE PRUNION POLE

For working from heights in complete safety.



Assembly takes less than a minute, no tools required.

3 pole lengths available: 1 m, 1.5 m or 2 m.

Suitable for right-handed or left-handed use.

# THE ADVANTAGES OF PELLENC



Integrated folding wrench

# Four operating modes



**U1 PERFORMANCE** 

Fast steady with half-opening



**U2 COMFORT** 

Steady with half-opening



**U3 ALL OR NOTHING** 

Fast with half-opening



#### **U4 PROGRESSIVE**

Fast without half-opening

# **TECHNICAL FEATURES**

WEIGHT OF PRUNING SHEARS AND POLES	
1 m pole + Prunion - kg	2.06
1.5 m pole + Prunion - kg	2.36
2 m pole + Prunion - kg	2.66



### **ERGONOMIC**



## LIGHTWEIGHT



### **ADAPTABLE**



## **PRODUCTIVE**





for you and your teams.



# THE ADVANTAGES OF PELLENC



### Automatic chain tensioning

The chain guide is mounted on a patented mechanism that tightens the chain automatically. PELLENC patent



### Electronic chain brake

The chain brake instantly activates in the event of a fall or kickback. PELLENC patent



### Safety

PELLENC has developed four innovations for user protection.



### Electronic oil flow management

The system adjusts the greasing of the chain according to the required cutting strength.

PELLENC patent



### Tightening wrench

This wrench lets the user tighten the chain and provides quick access to the sprocket and the chain.

PELLENC patent



#### Male cable

Directly compatible with the ULiB 250 battery.



## **SAFETY**

#### PELLENC has developed four innovations for user protection:

- The kickback sensor with electronic trip instantly triggers the electric chain brake in the event of a fall or kickback, and is eight times more sensitive than that of a petrol chainsaw.
- 2. With the OREGON chain, the kickback effect, if it occurs, will be much less violent than on a conventional chainsaw.
- 3. The tool's self-diagnostic system checks during its first use that the electronic kickback sensor is operational.
- 4. The double-press start-up trigger prevents accidental start-up of the chainsaw.

# **TECHNICAL FEATURES**

	SELION M12
Weight with cord - kg	1.95
Power - W	1,200
Motor speed - rpm	5,400
Chain speed - rps	10.3
Sound pressure level ( $L_{pA}$ )*- with K uncertainty $_{pA}$ = 3.0 dB(A)	84
Guaranteed sound power level (L <sub>WAd</sub> ) **	98
Vibration level $(a_h)^*$ - with Kd uncertainty = 1.5 m/s <sup>2</sup>	< 2.5
Carving guide (as standard)	6" - 15 cm
OREGON chain	1/4" - 25AP - 1.3 mm - 42E

<sup>\*</sup> Noise and vibration measurements according to EN 60745-1 and EN 60745-2-13.



# **MULTIFUNCTION**



#### **SAFETY**



# **PRODUCTIVE**



**LIGHTWEIGHT** 

<sup>\*\*</sup> According to Directive 2000/14/EC.





competitors, when it comes to power and precision the Selion C21 HD pruner will satisfy all your requirements.

# **2-YEAR WARRANTY**



# THE ADVANTAGES OF PELLENC



### Automatic chain tensioning

The chain guide is mounted on a patented mechanism that tightens the chain automatically.



#### Electronic chain brake

The chain brake instantly activates in the event of a fall or kickback. PELLENC patent



#### Safety

PELLENC has developed four innovations for user protection.



Enables a firmer grip on branches and trunks.



### Electronic oil flow management

The system adjusts the greasing of the chain according to the required cutting strength.

PELLENC patent



### Tightening wrench

This wrench lets the user tighten the chain and provides quick access to the sprocket and the chain.

PELLENC patent



#### Cover

The shape of the magnesium housing offers improved evacuation of shavings, increased solidity, and optimal lightness.



#### Quick connector system

Lets the user quickly plug the tool into and out of the battery while working; a key safety feature that means the user can pick up the pruner after having climbed the tree.



## **SAFETY**

### PELLENC has developed four innovations for user protection:

- 1. The kickback sensor with electronic trip instantly triggers the electric chain brake in the event of a fall or kickback, and is eight times more sensitive than that of a petrol chainsaw.
- 2. With the OREGON chain, the kickback effect, if it occurs, will be much less violent than on a conventional chainsaw.
- 3. The tool's self-diagnostic system checks during its first use that the electronic kickback sensor is operational.
- 4. The double-press start-up trigger prevents accidental start-up of the chainsaw.

### **TECHNICAL FEATURES**

	SELION M12
Weight with cord - kg	2.55
Power - W	2,000
Chain speed - m/s	14.5
Motor speed - rpm	6,200
Sound pressure level ( $L_{pA}$ )*- with K uncertainty $_{pA}$ = 3.0 dB(A)	85
Guaranteed sound power level (L <sub>WAd</sub> ) **	100
Vibration level $(a_h)^*$ - with Kd uncertainty = 1.5 m/s <sup>2</sup>	2.54
Light guide (as standard)	11" - 28 cm
OREGON chain (as standard)	1/4" / 25AP / 1.3 mm / 70E

<sup>\*</sup> Noise and vibration measurements according to EN 60745-1 and EN 60745-2-13.



**SAFETY** 



**ERGONOMIC** 



**POWERFUL** 

<sup>\*\*</sup> According to Directive 2000/14/EC.





# **2-YEAR WARRANTY**



# THE ADVANTAGES OF PELLENC



## Automatic chain tensioning

The chain guide is mounted on a patented mechanism that tightens the chain automatically. PELLENC patent



## Multi-position head can be tilted

With its tilting head (+90°/-45°), the tool can easily be adapted to the working environment.



## Electronic oil flow management

The system adjusts the greasing of the chain according to the required cutting strength.

PELLENC patent



## Tightening wrench

This wrench lets the user tighten the chain and provides quick access to the sprocket and the chain.

PELLENC patent

# **TECHNICAL FEATURES**

	T175/225	T220/300
Max. power - W	1,200	1,200
Combustion engine equivalence - cc	30	30
Weight - kg	3.25	3.60
Motor speed - rpm	5,400	5,400
Pole length - cm	175 to 225	220 to 300
Chain speed - m/s	10.3	10.3
Guide length - cm/inches	24 / 9.4"	24 / 9.4"
Chain		
Pitch	1/4 "	1/4 "
Type/Number of links	1.1mm - 55E	1.1mm - 55E
Sprockets	9 x 1/4" teeth	9 x 1/4" teeth
Tank capacity - cl	25	25
Sound pressure level $(L_{pA})^*$ - with Kd uncertainty KpA = 3.0 dB(A)	82	80
Guaranteed sound power level (L <sub>WAd</sub> ) **	93	94
Vibration level $(a_h)^*$ - with Kd uncertainty = 1.5 m/s <sup>2</sup>	0.52	0.44
Multiposition head can be tilted	+90° / -45°	+90° / -45°
Telescopic pole	٠	•
Peristaltic pump	•	•
Automatic chain tensioner	•	•
Integrated folding wrench	•	٠
Battery life*** with the Alpha 520 battery	Up to 4-5 hrs	

<sup>•</sup>Standard equipment





## **PRODUCTIVE**



## **DURABLE**

<sup>\*</sup> Noise and vibration measurements according to EN 60745-1 and EN ISO 11680-2.

<sup>\*\*</sup> According to Directive 2000/14/EC.

<sup>\*\*\*</sup> For information purposes: the times were observed in actual working time, including breaks. Battery life is influenced by the nature of the work required.





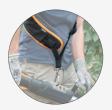
The professional solution for mechanical weeding, soil aeration and hoeing.





# cost and pesticide use.

# THE ADVANTAGES OF PELLENC



## Ease of use

Elasticated carrying strap developed specifically for the tool and offering support for working movements.



## Plug & Play

It starts with a simple press of the activation button. Easy to use, very agile and stable. Integrated Alpha 260 or 520 battery.



Versatile

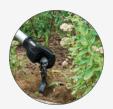
A choice of four interchangeable blades suitable for different uses.



## 2 working modes

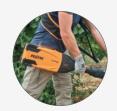
Default mode: the tool works only if the trigger is held down.

Continuous mode: the tool works continuously and stops only when the trigger is pressed.



## Sustainable management

The mechanical weeding solution is an excellent alternative to chemical products.



## **Battery life**

Designed for professionals, it provides up to 2.5 hours of battery life autonomy with the Alpha 260 battery.

## **INTERCHANGEABLE BLADES**



**8 CM BLADE** For finishing and precision work, while reducing vibration.



16 CM V-BLADE For working on hard soils. For furrows.



16 CM BLADE For versatility and work at depth.



22 CM BLADE - WEEDING For weeding over large sections. Perfect for weeding seedlings.

## **BATTERY LIFE\***







**ULiB 750** 1.5 DAYS



1 HR 30 MIN

ALPHA 260



TO 2 HRS 30 MIN









**ALPHA 520** 4 TO 6 HRS



250

1 HR 30 MIN TO 2 HRS 30 MIN

## **TECHNICAL FEATURES**

Max. power (W)	380
Combustion engine equivalence (cc)	10
Weight without battery with 16 cm blade (lbs.)	8.8
Weight with ALPHA 260 battery (lbs.)	14.3
Oscillation speeds (HZ)	13 to 15
Tool speed (strokes/min)	Speed 1: 500 - Speed 2: 765 - Speed 3: 887
Front handle vibration level (ah)* - m/s²	15,5
Rear handle vibration level (ah)* - m/s²	9
Battery life** with ALPHA 260 battery	1 hr 30 mins to 2 hrs 30 mins
Battery life** with ALPHA 520 battery	4 to 6 hrs

Vibration emissions according to EN ISO 62841-1 - Kd uncertainty = 1.5 m/s².

For information purposes: the times were observed in actual working time, including breaks. Battery life is influenced by the nature of the work required.



## **MULTIFUNCTION**



## **ADAPTABLE**



## **DURABLE**



## **ERGONOMIC**

<sup>\*</sup> Total working time for average professional use. This time includes tool stoppages inherent to the job.





a powerful soil cultivator, allowing you to be fast and accurate in your work, while avoiding the use of weed killers.





# THE ADVANTAGES OF PELLENC



## **Performance**

CULTIVION blades work with an oscillating motion. This extremely rapid movement (up to 885 strokes/ minute) guarantees the tool the power and performance required to facilitate soil penetration.

PELLENC patent



With the different blades, you can easily adapt to all working environments. The quick-change blades make it easy to switch from one use straight to another.

PELLENC patent



## Stability

Unlike motor hoes, CULTIVION is stable when working, without the need to apply force to the machine. CULTIVION has been designed to work in reverse, which eliminates the need to walk over areas that have already been worked.

## **INTERCHANGEABLE BLADES**



8 CM BLADE For finishing and precision work, while reducing vibration.



16 CM V- SHAPED BLADE For working on hard soils. For furrows.



16 CM BLADE For versatility and work at depth.



22 CM BLADE - CLASSIC For wide and deep work.



22 CM BLADE - WEEDING For surface weeding over large areas. Perfect for weeding seedlings. Blade as standard.

## **TECHNICAL FEATURES**

	CULTIVION
Max. power - W	380
Combustion engine equivalence - cc	10
Weight - kg	3.1
Oscillating speed - HZ	13 to 15
Tool speed - strokes/min	800 to 885
Number of blades	5
Blade tilting positions	9
Sound pressure level (L <sub>pA</sub> )* - dB(A)	74
Guaranteed sound power level (L <sub>WA</sub> )* - dB(A)	91
Front handle vibration level (a <sub>h</sub> )** - m/s²	14.4
Rear handle vibration level (a <sub>h</sub> )** - m/s²	10.2
Battery life with the ULiB 1200***	Up to 2.5 days
Battery life*** with Alpha 260	From 4 to 6 hrs
4-speed selector switch	•
Adjustable handle	٠
Interchangeable blades	•

- As standard \* Values defined according to sound measurement standards NF EN ISO 11201 and NF EN ISO 3744.
  - \*\* Vibration emissions according to DIN EN 60745-1:2009 Kd uncertainty = 1.5 m/s².

<sup>\*\*\*</sup> For information purposes: the times were observed in actual working time, including breaks. Battery life is influenced by the nature of the work required.







**ADAPTABLE** 



## **ERGONOMIC**



## **DURABLE**







## **NOZZLES**



Angled ergonomic nozzle For a high flow rate grazing the ground



For large piles of leaves.



Angled flat nozzle For speed and precision.



For very wet leaves on the ground and other highly encrusted residues, cigarette butts, trellis towers.



Flat Nozzle For precision cleaning.



For leaves, pine needles, waste to be cleared from a grove, fence, or from under a car.

# THE ADVANTAGES OF PELLENC



Ergonomic cushioning



Nozzle locking system for compact storage



The angled pivot allows for greater flexibility and freedom of movement, and is more ergonomic for the user. PELLENC patent



Smart handle. Back-lit screen LED signalling (safety)

## **ERGONOMIC**

## **SMART HANDLE**



- A Speed selection paddle and Boost trigger + Speed limiter
- **B** Rear trigger for progressive and responsive acceleration
- **©** Button for rapid access to the options menu on/off

## At a glance

- 1 Current speed (4 speeds)
- 2 Remaining battery life in hours/minutes or %
- 3 Power bar graph
- 4 Energy saving info < 500 W

## **Alerts**

- 6 After-sales service maintenance message
- 7 "Fault" alert
- 8 Screen lock

## **Control options**

Boost triggered Speed limiter triggered

## **TECHNICAL FEATURES**

Effective thrust (N)	27
Volumetric air flow rate without nozzle (m³/h)	1,455
Volumetric air flow rate with nozzle (m³/h)	1,280
Max. power (W)	1,750
Power supply voltage (V)	43.2
Tool weight in kg (without battery or nozzle)	6.8 kg
Weight with nozzle	7.7 kg
Sound pressure level $(L_{pA})^*$ - dB(A)	80.5
Sound power level (L <sub>wag</sub> )*-dB(A)	96
Vibration level (a <sub>h</sub> )**-m/s²	0.2
Short and long secondary nozzles + round tip with anti-wear ring	included
Battery life*** with battery models Alpha 520 / ULiB 750, 1200, 1500	Standard maintenance: 1 hr to 3 hrs Intense road cleaning work: from 40 min to 1 hr 50 min

- Values determined according to the acoustic measurement standards NF EN ISO 11203, NF EN ISO 3744 and NF EN ISO 4871.
- Vibration emissions according to DIN EN 60745-1:2009 Kd uncertainty = 1.5 m/s².
- For information purposes: the times were observed in actual working time, including breaks. Battery life is influenced by the nature of the work required.



## **POWERFUL**

## **ERGONOMIC**





## **SMART MANAGEMENT**







## THE ADVANTAGES OF PELLENC



## Speed management

The Airion 3 speed controller means the blowing power can be controlled based on the surface to be cleared. The Boost function delivers maximum air flow and is available simply by keeping the button pressed. The power of the Airion 3 is enough to blow heavy objects such as large masses of wet leaves that are stuck to the ground.



## Quick connector system

allows the user to quickly plug the tool into or out of the battery during work sessions. This key safety feature ensures the worker can get out of any risky or uncomfortable situation fast. PELLENC patent



## **Durable motor**

Protected against dust and moisture and 100% rainproof, Airion 3 is designed to withstand the test of time. Its motor is encased in a magnesium alloy body, ensuring good heat dissipation, full IP54 sealing, and an extended service life. All the mechanical parts are protected from dust and moisture.



## **Battery life indicator**

activated by pressing and holding the speed selector. The LEDs flash and display the remaining battery life in 25% increments.

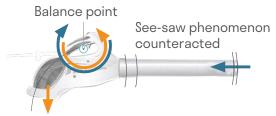
PELLENC patent



## Intake screen

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

PELLENC patent



Lack of Tension in the wrist, elbow and shoulder.





Tension felt in the wrist, elbow and shoulder.

## **TECHNICAL FEATURES**

	AIRION 3
Effective thrust* - (N)	17.5 (boost) / 13.5 (speed 4)
Actual airflow rate with round nozzle** - m3/h	920 (boost)/815 (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)
Max. power - W	940
Weight of the tool with the cable - kg	2.7
Weight of the tool without the cable - kg	2.45
Actual weight of the tool in use - kg	2.55
Sound pressure level (L <sub>pA</sub> )*** -dB(A)	79
Guaranteed sound power level (L <sub>WA</sub> )*** - dB(A)	92
Acoustic output level at 15 metres* - dB(A)	< 65
Vibration level*** - m/s <sup>2</sup>	<2.5 (0.5 actual)
Battery life**** with the ULiB 1500	Up to 6 h
4-speed selector switch + boost	•
Round nozzle	•
Fast connector	-
Battery-life display	-

<sup>•</sup> As standard

<sup>\*\*\*</sup> For information purposes: the times were observed in actual working time, including breaks. Battery life is influenced by the nature of the work carried out.



<sup>\*</sup> According to ANSI/OPEI B175.2-2012 standard.

<sup>\*\*</sup> With nozzle diameter of 75 mm.

<sup>\*\*\*</sup> Values determined according to the acoustic measurement standards NF EN ISO 11203, NF EN ISO 3744 and NF EN ISO 4871.

<sup>\*\*\*\*</sup> Vibration emissions according to NF EN 60745-1:2009 - Kd uncertainty = 1.5 m/s2.





The reliable, multi-function Cleanion sweeper can be used all year round, on any surface.



## THE ADVANTAGES OF PELLENC



## Storage configuration

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



## Reversible brush rotation

The roller easily clears away bulky or wet material, as well as fine dust.



## Two support wheels

The adjustable support wheels ensure the perfect height, even when working on uneven surfaces.



## Motorised wheels

The two rear motors enable Zero Turn manoeuvres and make it easy to handle. It mounts pavements easily.



## Quick release

A simple latch system lets the user hold the two removable parts in place and quickly switch between the various work tools.



## Compartment

The easy access compartment holds the battery.



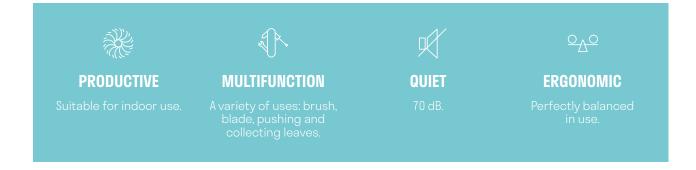
## LCD screen

Use the LCD screen to continuously check the functions of CLEANION, such as ground speed and brush rotation speed. An indicator shows the optimal pressure for the brush on the ground to help the operator adjust it properly.

# **TECHNICAL FEATURES**

	CLEANION
Overall dimensions when unfolded, HxLxW-cm	100 x 160 x 100
Working width - cm	100
Weight (with battery) - kg	105
Weight (without battery) - kg	99
Max. power - W	1,400
Rotational speed of the brush	4 speeds, 100 to 200 rpm
Battery life in terms of surface area - m²	Up to 4,600
Zero Turn	•
Snow wheels	-

<sup>•</sup> As standard

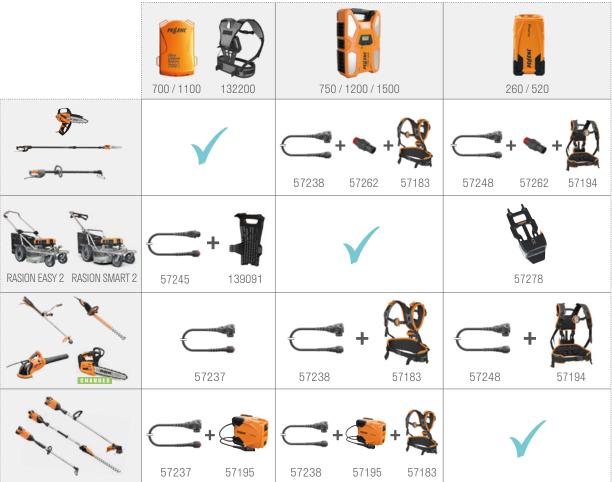


# **CORRESPONDENCE TABLE OF BATTERY-TOOL CONNECTION ADAPTOR CORDS**



57195





# **PRIZES AND AWARDS**

2022	C35/C45	GREEN TRADE SHOW: 1st Prize 2022 INNOVATION AWARDS - New technologies category GTH: Commendation VINITECH: Commendation
2018	ALPHA RANGE RASION EXCELION 2000 & CITY CUT VINION	EIMA INTERNATIONAL: Special mention from the technical innovation committee Alliance industrie du futur: "Vitrine du Futur" [Window to the Future] label L'USINE NOUVELLE MAGAZINE: Productivity Award in Factory Rewards ONEOVIDÉO FESTIVAL AWARDS: Best technical film prize for: "Sécateur Vinion, la nature est votre moteur" [Vinion pruning shears, Nature is your driver]
2017	AIRION 2 PRUNION & VINION  1500 AND 1200 BATTERIES AND COMFORT HARNESS SMCL 1500 BATTERY AND COMFORT HARNESS 1500 BATTERY AND COMFORT HARNESS SETT	EIMA INTERNATIONAL: Innovation price FIERA AGROALIMENTARE MEDITERRANEA: 1st prize for agricultural mechanisation, innovation, and safety Winner in the Vehicles/Maintenance category PAYSALIA: Winner of the "Sustainable Development" category SETT d'Or
2016	RASION EXCELION 2000 & CITY CUT PRUNION & VINION	OGA: Innovation Prize MECANIC SHOW: Innovation Award ENOVITIS: Technological Innovation Award
2015	PRUNION VINION RASION CITY CUT EXCELION 2000	SITEVI: Silver medal at the Innovation Awards SITEVI: Silver medal AGRILEVANTE: Commendation AGRILEVANTE: Technical Innovation Award AGRILEVANTE: Technical Innovation Award
2014	LARGE ENTERPRISE AWARD  RASION EXCELION 2000 SELION C21 HD	MINISTRY OF THE ENVIRONMENT: Environment & Business Awards 2014 in the Eco-Product for Sustainable Development category SMCL EXHIBITION FOR FRENCH MAYORS AND MUNICIPALITIES: Innovation Award AGROVINA: 3 <sup>rd</sup> prize for innovation EIMA - FEDER UNACOMA: Commendation in the "New Technologies" category
2013	EXCELION 2000	PAYSALIA: 1st prize for innovation AGRILEVANTE: Technical Innovation Award AQUIFLOR: 2nd prize DEMOPARK: Silver medal SMCL EXHIBITION FOR FRENCH MAYORS AND MUNICIPALITIES: Finalist
2012	ZERO EMISSION CONCEPT  OLIVION EXCELION AIRION	SALON VERT: Sustainable Development Award EDGE: Sustainable Development Award MIFFEL: 1st prize for innovation MIFFEL: 1st prize for innovation AQUIFLOR: 3 <sup>rd</sup> prize for innovation
2011	PORTABLE BATTERY POWER TOO POLY 5 AIRION  SELION M12  FIXION	LS RANGE EXPOLIVA: Jury's commendation  DEMOPARK: Gold Medal FRENCH NATIONAL NOISE COUNCIL: Golden Decibel Award SMCL EXHIBITION FOR FRENCH MAYORS AND MUNICIPALITIES: Innovation Prize EDGE: European Innovation Prize DEMODAGEN: Innovation Prize AGRIVELANTE: Technical Innovation Award SIVAL: Commendation SITEVI: Gold Medal
2010	AIRION SELION M12	SALON VERT: Environment and Sustainable Development Award EDGE: European environmental and sustainable development award VINITECH: Bronze Medal

# **TAILOR-MADE SERVICES**

# OF EXPERTS AT YOUR SIDE

To deliver optimal service quality to our 500,000 customers around the world, PELLENC fosters a close relationship by maintaining regular ties with all those in our network. To that end, we undertake many actions and processes at the international level.



# A NETWORK OF TRAINERS MOBILISED IN THE FIELD

PELLENC distributors are first and foremost ambassadors for the brand and its products. To assist them and bolster their expertise for the benefit of customers, they are trained by technical inspectors with extensive field experience. This system provides an appropriate solution for the end-user and ensures a consistent approach based on the specific needs of the market.





# **EFFICIENT AFTER-SALES SERVICE**

PELLENC's after-sales service not only meets the immediate needs of users but also takes account of their feedback to improve existing products and design new ones.

To guarantee users a "manufacturer quality" servicing of their machines, PELLENC has recently redesigned its maintenance process. When PELLENC users entrust their machines to certified Pro Activ' Maintenance distributors, they can be sure of finding certified professionals who know what points to check, work with original parts, and use the appropriate tools.





# A RESPONSIVE REPLACEMENT PARTS DEPARTMENT

With stock on-hand worth €30 million and Industry 4.0 processes, the rate of orders met with shipments of PELLENC replacement parts is over 98%; a very high service rate.

When machines are taken out of use for servicing, the many replacement parts directly available from our distributors lets PELLENC minimise downtime and keep the machine in use as much as possible throughout the seasons.

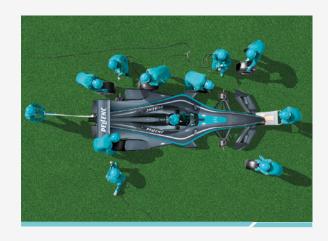




# **TURNKEY FINANCING SOLUTIONS**

For any information about our financing solutions, please contact us:

solutions.fances@pellenc.com



# **NOTES:**

# **NOTES:**

# **NOTES:**

NOTES:	

Patented Equipment. The technical features and photographs are provided for information only and are in no way contractually binding. PELLENC reserves the right to make any modifications and improvements to its products it deems necessary without prior notice. Photo credits @PELLENC I Design: PELLENC communications department I Catalogue printed on PEFC paper.

Distributor's stamp



## **NATURE IS OUR DRIVER**

→ ∰ > www.pellenc.com

PELLENC • Quartier Notre-Dame • Route de Cavaillon • 84120 Pertuis • France Phone: +33 (0) 4 90 09 47 00 • Fax: +33 (0) 4 90 09 64 09 • E-Mail: contact@pellenc.com





