



SATURNE III

CATEGORY : **Landscape / Farm maintenance**

HORIZONTAL REACH (m) : **5,60 - 6,10**

ROTOR POWER (HP) : **80**

MORE DETAILS

www.lagarde-sas.fr/en



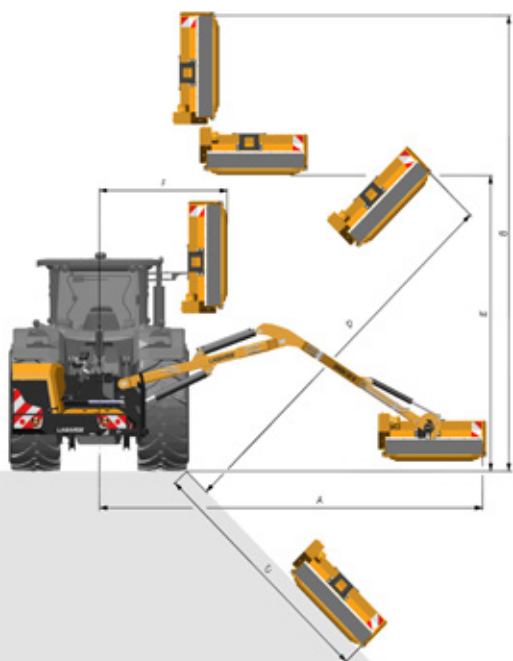
THE ARTICULATED ARM REACH MOWER, VISIBILITY COMBINED WITH ULTRA PERFORMANCE

The SATURNE III reach mower, the result of 30 years of expertise from LAGARDE engineers, incorporates the latest technological innovations. Designed for professionals in roadside and field maintenance, as well as landscapers and local authorities, it stands out for its robustness, thanks to its reinforcements, Expander shafts, and the new EP-PRO shredding unit. Additionally, the operator benefits from maximum comfort and safety with the articulated arm, angular and pressure sensors, touch screen console and Sauer Danfoss joystick, ensuring optimal productivity.



THE STANDARD ESSENTIALS

- Closed circuit 80 HP rotor power
- PTO 1000 rpm
- Hydraulic retraction safety feature front /rear
- EP-PRO grinding group 1.2 m rotor grass Y blades
- Automatic arm return
- Indirect VHP notched belt drive
- Hydraulic cooler
- Electric lift float cut-out
- EP-Tronic control with touchscreen
- High temperature safety warning system
- LED lighting kit



	Saturne III 56 S	Saturne III 61 S
Horizontal reach A (m)	5,60	6,10
Vertical reach B (m)	6,50	7,25
Ditch reach C (m)	4,00	4,30
Bank reach D (m)	5,70	6,20
Height on hedge E (m)	4,70	4,95
Hedge-side reach F (m)	1,90	2
Arm type and sweep	Articulated arm, 110°	Articulated arm, 110° and tipper
Obstacle safety feature	Forward and reverse drive safety	
Unit rotation angle	230°	230°
Weight (kg)	1915	2000
Min. recommended tractor power (CV)	120	120
Min. recommended tractor weight (kg)	5000	5000



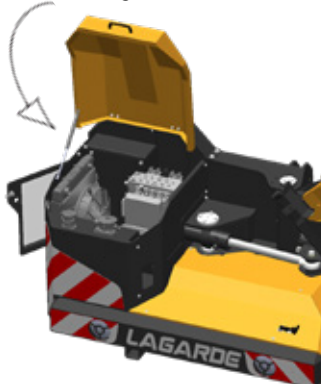
FRAME

- Rugged VHT steel
- Integrated masses, mass offset optional
- Pivot pin Ø70 mm
- Front/rear retraction safety feature with angle sensor management

OIL COOLER

- 21 kW
- Managed by smart sensor
- Positioned away from flying debris
- Hinged screen for easy servicing
- Automatic cleaning function

Optimum cooling



JOINTS

- Ø45 EXPANDER pins, slack eliminated
- Spherically mounted cylinders
- Greased, hollow seal rings



ARTICULATED ARM

- Shredding unit advance of 1.40 m
- Boom section 160x160x8
- Beam section 120x120x8

Rugged design



ATTENTION TO DETAIL

- LED lighting
- Built-in toolbox
- Adjustable stand legs

TANK AND FILTRATION

- Capacity 100 L
- Pressurized
- Pressure and suction filters 10µ
- Return filter 10µ

Oil change every 1000 h

DISTRIBUTORS

- Danfoss flexibility and reliability
- Variable speed control
- Emergency controls

Power and performance



HYDRAULIC

- Closed centre hydraulic circuit
- Piston pump and motor

EP TRONIC CONTROLLER

Console

The EP Tronic touch-screen controller offers users an intuitive and intelligent way of adjusting the unit: speed, sensitivity, safety, type of work, the alerts are visible, understandable and easy to alter.



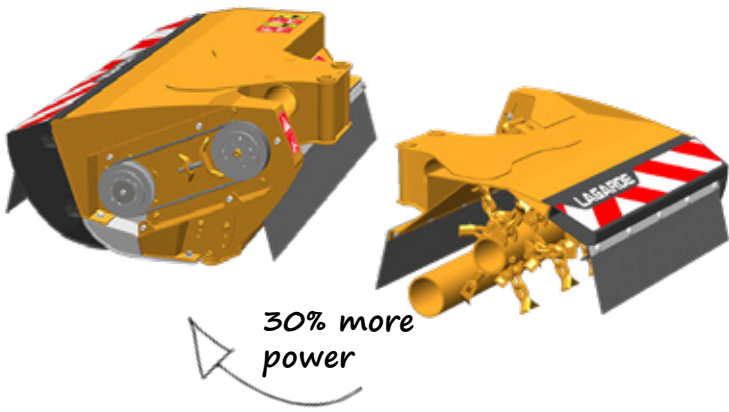
The EP TRONIC controller, uses BUS CAN technology to offer all the proportional functions and additional comfort and safety features such as:

- Speed reduction of all the cylinders at end of travel
- Reduced retraction speed if the unit is far away.

Joystick

The very easy-to-install joystick can be conveniently placed for the driver in all kinds of cabs. Its ergonomics enable several features to be engaged simultaneously.





30% more power

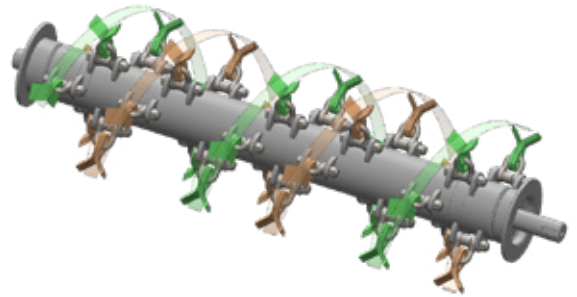
SHREDDING UNIT

- Double skin HTS steel structure
- Sheet metal lining in abrasion resistant HDX welded steel
- Skids and roller brackets in abrasion resistant HDX steel
- Box section sides for enhanced rigidity
- Perfectly integrated pulley housing
- Optional tubular flap

INDIRECT ROTOR DRIVE

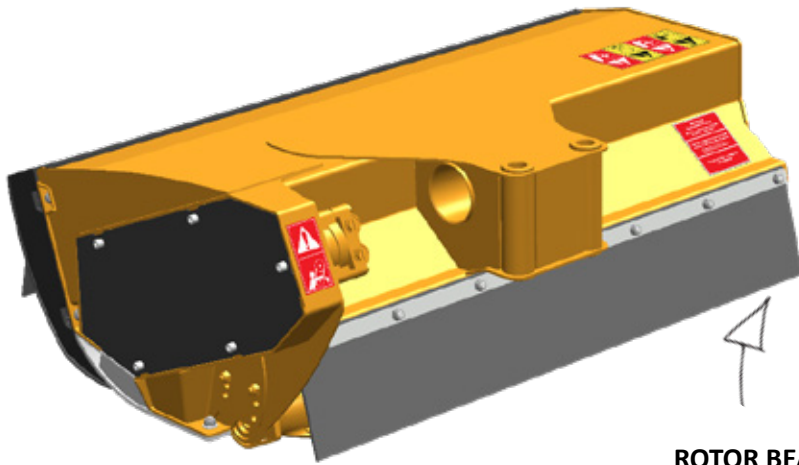
By 1 VHP cog belt
(Very High Performance)

230° rotation angle



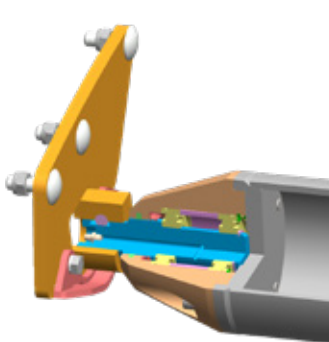
ROTOR

- Spiral rotor design
- Machined tube and flanges for perfect concentricity and solidity



ROTOR BEARINGS

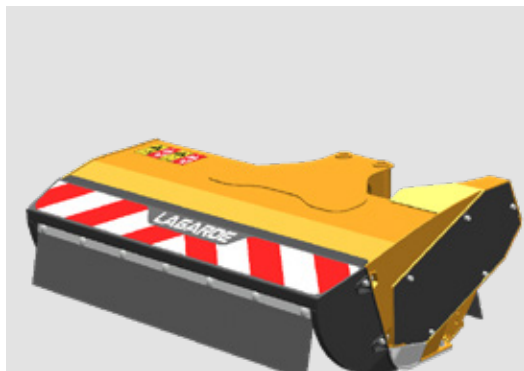
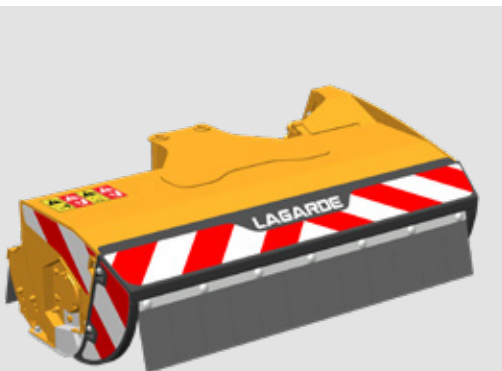
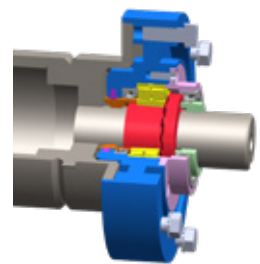
- Baffle protection to prevent wire and twine clogging
- High-level sealing (double lip seal + felt seal)



WORKING ROLLER

- Ø140, 7 mm thick
- Two ball bearings
- Machined assembly for perfect concentricity

Optional PRO Ø160 roller



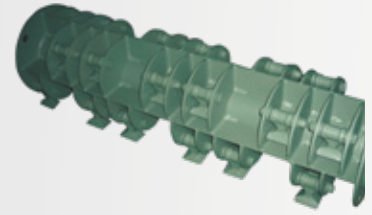
ROTORS



Grass rotor (standard)



Scrub clearing rotor



Rotor for thick branches

Rotor	Grass	Scrub clearance	Thick branches
Application	Grass mowing	Mowing, scrub clearance	Heavy scrub clearance, heavy-duty jobs
Shredding capacity (cm)	Ø4	Ø8	Ø15
Cutting width (m)	1.20	1.20	1.20
Working diameter (mm)	410	410	410
Linear speed of cutting heads (m/s)	72	72	72
Type of cutting heads	Y-blades 9 mm thick/sickles	Y-blades/1-kg hammer blades	360° hammer blades
Number of cutting heads	60/30	54/28	24
Design	Tube Ø125 mm, 10 mm thick		Hardox cage rotor
Shaft diameter (mm)	45	45	45

CUTTING HEADS



On grass rotor (standard)



On spiral rotor



On rotor for thick branches



Secateurs



Multisaw



Flail deck

LINKAGE MOUNTINGS



Standard linkage with two stabilizers
Hooking part to be adjusted to scale of tractor

STANDARD



Stabilized frame
Adaptor for tractor supplied

OPTIONAL

OPTIONS



- Debris blower
- Multisaw shears
- Ballast weights
- Weight offset
- Motor circuit filtration

Features	Horizontal reach (m)	5,60	5,60
	Type of machine	Articulated arm with 110° slew	Articulated arm, 110° slew and tipper
	Rotor power (HP)	80	80
	PTO (rpm)	1000	1000
	Pump and rotor motor	Closed circuit cast iron piston	Closed circuit cast iron piston
	Movement pump	Aluminium drive gear	Aluminium drive gear
	Rotor circuit flow rate (L/min)	110	110
	Movement circuit flow rate (L/min)	42	42
	Filtration	10 µ on suction, pressure and return	10 µ on suction, pressure and return
	Tank capacity (litres)	100	100
	Cooler power (kW)	21	21
	Shredding unit	Cutting width (m)	1,2
Rotor control		Electric	Electric
Rotor drive		VHP notched belt	VHP notched belt
Working roller		Ø 140 mm with removable ends	Ø 140 mm with removable ends
Accessories	Hydraulic breakaway safety feature	●	●
	EP control – Electro-proportional	●	●
	Electric levitation cut-out	●	●
	Hour meter	●	●
	Lighting kit	●	●
	Standard hitch	●	●
	Fixed linkage frame	○	○
	Indirect rotor drive	●	●
	1.2-m shredding unit	●	●
	1.6-m shredding unit	○	○
	Grass rotor	●	●
	Scrub clearing rotor (Y or hammer blades)	○	○
	Thick branch cutting hammers 360°	○	○
	Rotor circuit filter	○	○
	MAXI working roller, Ø 160 mm	○	○
	Tubular flap	○	○
	Automatic unit and second cutting head docking	○	○
	Multisaw and cutterbar	○	○
DEBRIS BLOWER kit	○	○	
Warning sign storage	○	○	

● Standard ○ Optional



Equipment designed to last

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Votre concessionnaire LAGARDE