



MERCURE III

CATEGORY: **Agricultural / Landscape maintenance**

HORIZONTAL REACH (m): **5.00 - 6.00**

ROTOR POWER (HP): **80**

MORE DETAILS
www.lagarde-sas.fr



THE HEAVY-DUTY, POWERFUL REACH MOWER FOR PROFESSIONALS

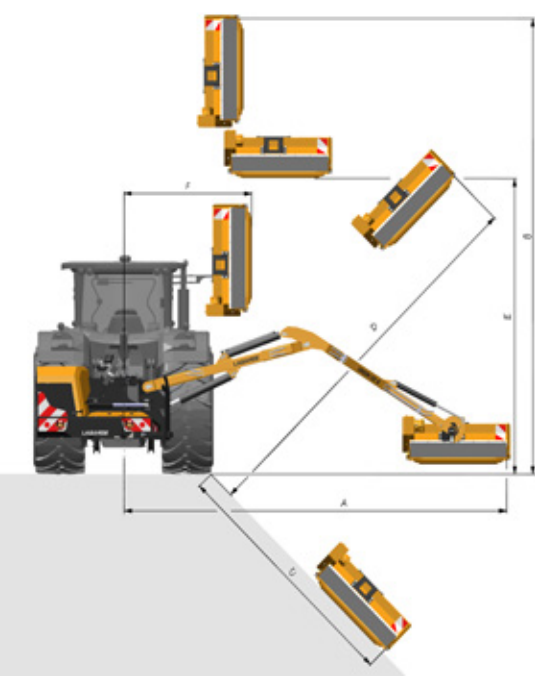
MERCURE III reach mowers that deliver 80 HP offer road and landscape maintenance professionals very high-quality shredding.

Maximum mechanical and hydraulic reliability is designed into them. The new kinematics of these reach mowers make for impressive working capacities for pruning and roadside mowing.



THE STANDARD ESSENTIALS

- Straight forward arm with 120° slew
- Closed circuit 80 HP rotor power
- PTO 1000 rpm
- Hydraulic cooler
- Hydraulic pivot breakaway safety feature
- 1.2-m shredding unit grass rotor with Y-blades
- Indirect VHP cogged drive belt
- Electric rotor control
- Ø 140-mm working roller with removable ends
- Low pressure CS control
- Electric lift float cut-out and hour meter
- High temperature safety warning system
- Lighting kit
- Standard linkage mounting (2 stabilizers and tractor attachment plate)



	Mercure III 50 (S)	Mercure III 55 (S)	Mercure III 60 (S)
Horizontal reach A (m)	5.00	5.50	6.00
Vertical reach B (m)	5.70	6.30	6.70
Ditch reach C (m)	3.25	3.60	4.05
Bank reach D (m)	4.70	5.37	5.80
Height on hedge E (m)	3.80	4.20	4.70
Hedge-side reach F (m)	1.45	1.45	1.50
Arm type and slew	800-mm straight or 120° cranked forward arm		
Obstacle safety feature	Hydraulic safety mechanism on slew jack		
Unit rotation angle	230°	230°	230°
Weight (kg)	1360 / 1390	1410 / 1440	1470 / 1500
Min. recommended tractor power (HP)	75	75	75
Min. recommended tractor weight (kg)	3800	3800	3800



Unit well balanced

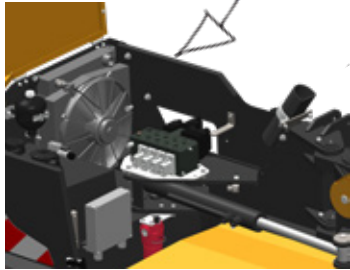
FRAME

- Heavy-duty, up to 20 mm thick with VHTS steel reinforcements
- Ø 50-mm HSS (high-strength) steel shafts
- Drive shaft within linkage mounting

OIL COOLER

- 16 kW
- Managed by smart sensor
- Positioned on the left, away from flying debris
- Hinged screen for easy servicing
- Automatic cleaning function

Superlative cooling



TANK AND FILTRATION

- Capacity 130 L
- Pressurized
- 10 µ pressure and suction filters
- 50 µ return filter

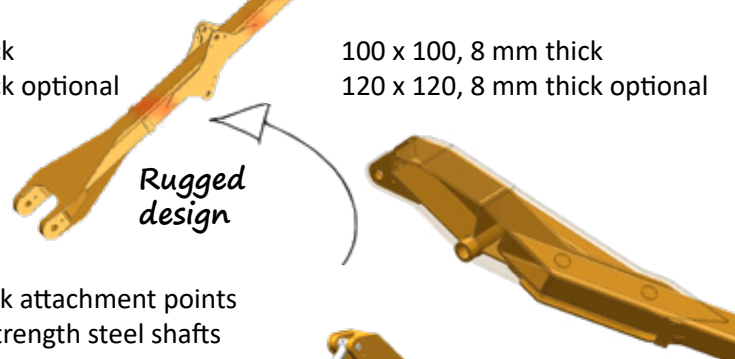
Oil change every 1500 h

DISTRIBUTORS

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

120 x 120, 8 mm thick
140 x 140, 8 mm thick optional

100 x 100, 8 mm thick
120 x 120, 8 mm thick optional



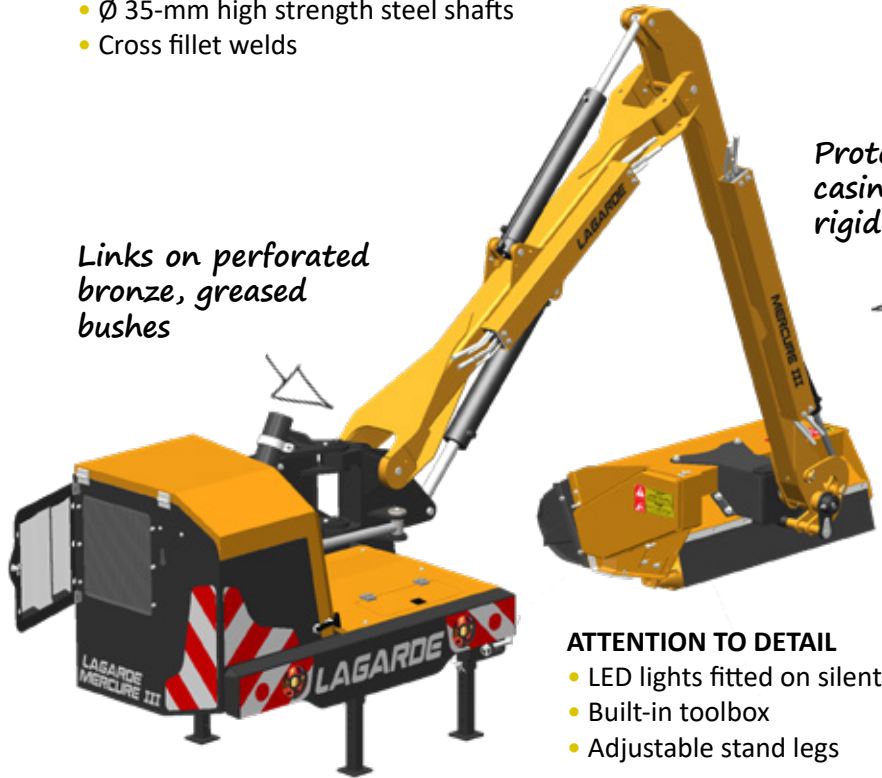
Rugged design

ARM

- 30-mm very thick attachment points
- Ø 35-mm high strength steel shafts
- Cross fillet welds

Links on perforated bronze, greased bushes

Protective casing for rigid pipes



ATTENTION TO DETAIL

- LED lights fitted on silent blocks
- Built-in toolbox
- Adjustable stand legs

Power and performance



ROTOR HYDRAULICS

- Closed centre hydraulic circuit
- Piston pump and motor

CS OR EPC CONTROLS



heavy-duty electronics

ergonomic

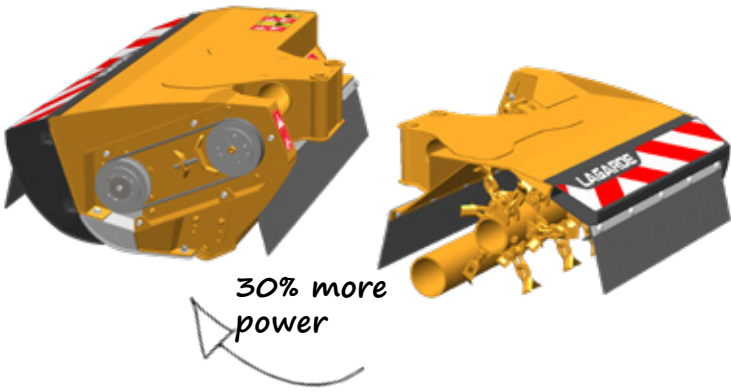
Console

Electric lift float and cushioning control, hour meter, rotor direction and activation electrically selected, high temperature and low power supply voltage cut-offs, emergency stop.

The **low pressure CS proportioning controller** offers highly flexible and comfortable arm mower control. Simultaneous use of a number of jacks on the machine, makes for high-precision combination manoeuvres.

The superb ergonomics of the **EP electro-proportional joystick** control make for highly efficient work. All the functions are proportional-action (jib, rocker, unit orientation, slew).

SHREDDING UNIT



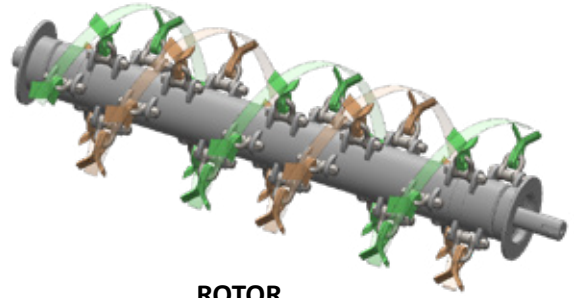
30% more power

- Double-skinned HTS steel construction, 2 x 4-mm
- Strengthened body side wall, 6-mm + reinforcing 8-mm thick
- Rugged pulley housing
- Front flap with tubular reinforcement offers better shock resistance
- HDX steel anti-abrasion skids

INDIRECT ROTOR DRIVE

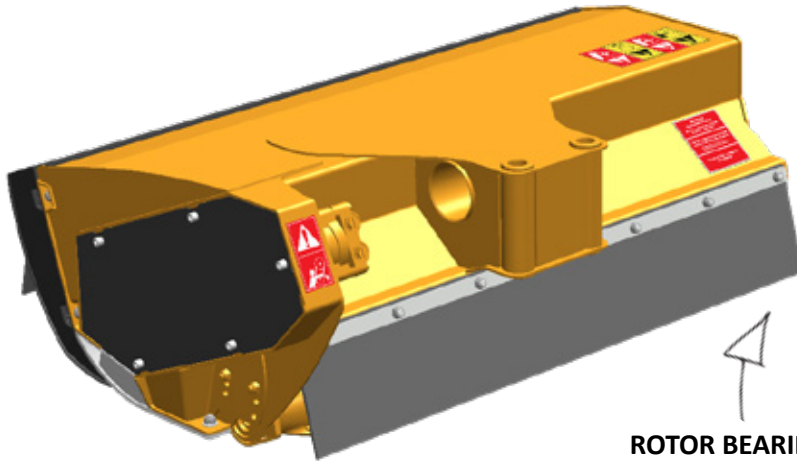
1 VHP (Very High Performance) notched belt

230° rotation angle



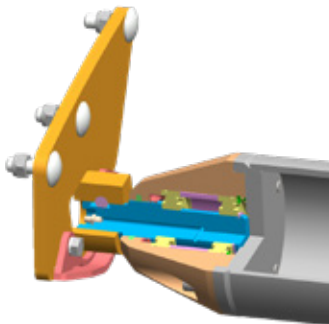
ROTOR

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



ROTOR BEARINGS

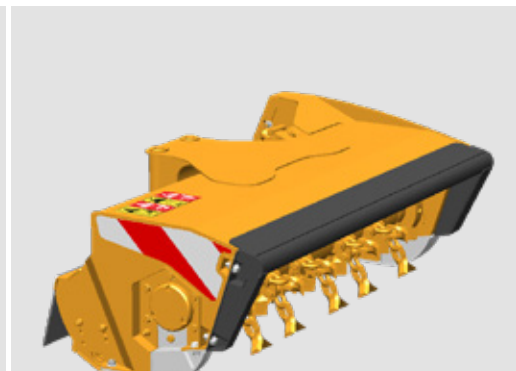
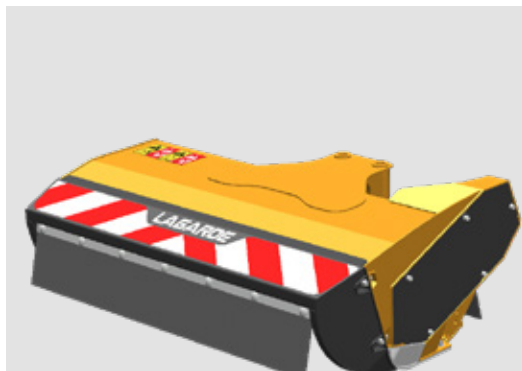
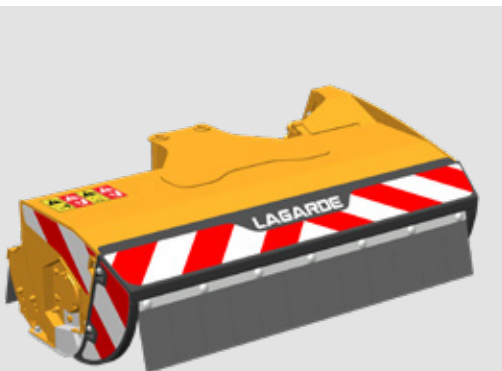
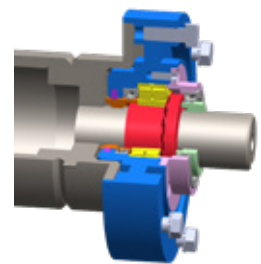
- Double row of roller bearings
- Baffle protection to prevent wire and twine clogging
- High level sealing (double lip seal + felt seal)



WORKING ROLLER

- Ø 140-mm, 7-mm thick
- Two ball bearings
- Machined assembly for perfect concentricity

optional pro Ø 160-mm roller



ROTORS



Grass rotor (standard)



Scrub control rotor



Rotor for thick branches

Rotor	Grass	Scrub clearance	Thick branches
Application	Grass mowing	Mowing, scrub clearance	Heavy scrub clearance,
Shredding capacity (cm)	heavy-duty jobs	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	9-mm thick Y-blades/sickles	Y-blades/1-kg hammer blades	360° hammer blades
Number of cutting heads	60 / 30	54 / 28	24
Design	10-mm thick Ø 125 mm tube		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



3-point CUMA linkage with 3 stabilizers supplied
3rd tractor point used

OPTIONAL



Stabilized frame
Adaptor for tractor supplied

OPTIONAL

Features	Horizontal reach (m)	5.0 / 5.5 / 6
	Type of machine	Straight arm and cranked arm, with 120° slew
	Rotor power (HP)	80
	PTO (rpm)	1000
	Pump and rotor motor	Closed circuit cast iron piston
	Movement pump	Cast iron gear assembly Aluminium gear assembly
	Rotor circuit flow rate (L/min)	110 in 80 HP
	Movement circuit flow rate (L/min)	35
	Filtration	10 µ on suction and pressure and 50 µ on return
	Tank capacity (litres)	130
	Cooler power (kW)	16
	Shredding unit	Cutting width (m)
Rotor control		Electric
Rotor drive		VHP notched belt
Working roller		Ø 140-mm with removable ends
Accessories	Hydraulic breakaway safety feature	●
	CC control – Cable control	–
	PREMIUM control – Electric	–
	CS control – low pressure	●
	EP control – Electro-proportional	○
	Electric lift float cut-out	●
	Hour meter	●
	Lighting kit	●
	Standard linkage mounting	●
	CUMA linkage mounting	○
	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)	○
	Branch cutting rotor 360°	○
	MAXI working roller, Ø 160 mm	○
	Automatic unit and second cutting head docking	○
	Multisaw and cutterbar	○
DEBRIS BLOWER kit	○	
Warning sign storage	○	

● Standard – Not available ○ Optional



Equipment designed to last

LAGARDE - 65 Avenue de Tréville - 64130 Mauléon Licharre

Tél : +33 5 59 19 20 10 - Fax : +33 5 59 19 20 11 - accueil@lagarde.artzainak.fr



Your LAGARDE dealer