

SIDE-ARMS FOR VERGE-MOWING AND HEDGE-CUTTING

**Pro** range from 4.50 to 5.00 metres

**Axiona** 45 - 50

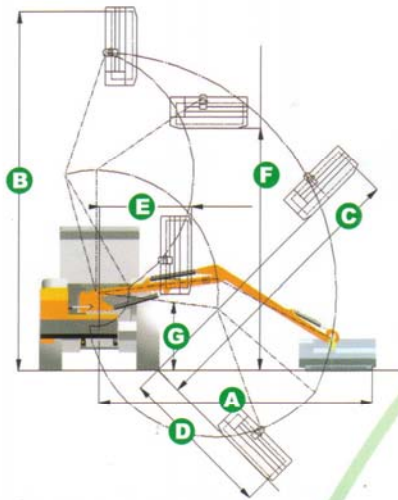
**Prodigia** 45 - 50



 **NOREMAT**

# Work with state-of-the-art equipment

## Scope of motion



Motion	Axiona - Prodigia	
	45 - 50	
<b>A</b> Max. horizontal reach*	4.50 m	5.00 m
<b>B</b> Max. vertical reach	5.60 m	6.10 m
<b>C</b> Lower embankment reach	4.47 m	5.00 m
<b>D</b> Upper embankment reach	2.29 m	2.70 m
<b>E</b> Min. lateral reach	1.70 m	1.75 m
<b>F</b> Max. height on hedge, rotor horizontal	3.71 m	4.10 m
<b>G</b> Passage under beam	1.45 m	1.50 m
Transport height**	3.20 m	3.50 m
Slew angle	102°	102°
Head orientation angle	230°	230°
Weight in running order	1170 kg	1180 kg

\* measured from the tractor axis  
 \*\* may vary according to tractor type

## Motion stability

Left pivot :  
 Axiona and Prodigia provide excellent stability thanks to the left pivot in relation to the tractor axis.



Pivot axis Tractor axis

# Ergonomics and comfort

## Sliding armrest

The sliding armrest eliminates friction of the lower arm on the rest and reduces flexion and torsion of the wrist by 30 %.



Single-lever LP mixed controls (electrical, hydraulic)

### Type of controls :

- multi-lever remote cable
- multi-lever LP hydraulic assisted
- single-lever LP mixed (elec. + hydr.)

### Axiona - Prodigia

45 - 50

standard	standard
option	option
option	option



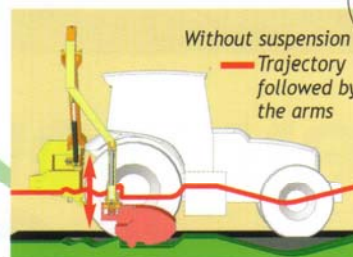
Multi-lever remote cable controls



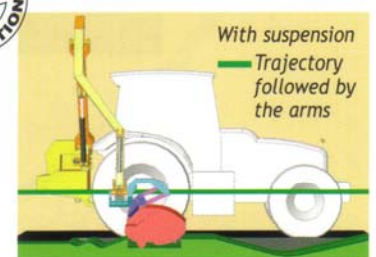
Multi-lever LP hydraulic assisted controls

## Mechanical suspension

Placed between the end of the second arm and the mowing head, this suspension enables the machine to automatically adapt to ground height variations without modifying the arm position.



The arms bear all the travel-related mechanical stress.



The mechanical suspension absorbs ground irregularities, all stress is removed from the arm.

# With your needs in mind

## Rotor hydraulic circuit

	Axiona		Prodigia	
PTO	540 rpm	540 rpm	1000 rpm	
Gear ratio	1: 3,45	1 : 4	1 : 2,5	
<b>Hydraulic pump</b>				
Type	Zahnräder		Axialkolben	
Cubic capacity	44 cc		28 cc	
Flow-rate	82l/min	60 l/min.	70 l/min.	
Maximum pressure	230 bar		345 bar	
Power	42 HP	47 HP	54 HP	
Controls	Cables		Electric	
Fastening	Pump flanged to gerotor			
<b>Hydraulic motor</b>				
Type	Axial pistons			
Cubic capacity	25 cc			
Type of rotor transmission	Pulleys and toothed drive belt			
Rotor rotation speed (±50)	3,050 rpm	2,750 rpm	2,800 rpm	

## Movement hydraulic circuit

	Axiona		Prodigia	
PTO	540 rpm	540 rpm	1000 rpm	
Type of pump	Geared		Geared	
Pump rating	14 cc		17 cc	
Pump flow-rate	26l/min	36l/min	42l/min	
Max. circuit pressure	220 bar		220 bar	
Power available	13 HP	18 HP	21 HP	

## Filtering and cooling

<b>Tank</b>	
Capacity	80 liters
Type of oil	80 W 90-HV 46
<b>Return filter</b>	
Filter type	Spin on
Filtration	10 microns nominal
<b>Cooling</b>	
Radiator	aluminium
Fan	electric - Ø 190 mm
Heat-exchanger capacity	5,5 kW

## 1 FRAME

Material	HY Steel*
Composition and materials used	tube 100 x 100 th. 5 and 6 mm tube 100 x 100 th. 5 mm sheet metal th. 8, 12, 15 and 25 mm

## 2 ARM PIVOT

Material	HY Steel*
Composition and materials used	sheet metal th. 6 and 15 mm

## 3 FIRST ARM

Material	HY Steel*
Composition and materials used	tube 140 x 140 th. 6.3 mm sheet metal th. 12 and 15 mm

## 4 SECOND ARM

Material	HY Steel*
Composition and materials used	reconstituted tube th. 6 to 8 mm
Arm section ranging from	100x100 to 100x150 mm

## 5 HEAD ANGLE BRACKET

Material	HY Steel*
Composition and materials used	tube Ø 90 th. 10 mm sheet metal th. 8 mm

\* HY = High Yield



## Just like a large mower



Mowing



Bush-cutting in narrow paths



Hedge cutting

# The correct tool for each task

## Mowing head 1200



### ROLMAX

Bush-cutting rotor



- Single-piece tubular frame.
- Equipped with heavy flails.
- Blades fitted in spiral layout for optimum suction and grinding of bush.

### SAW-BLADE UNIT



- 3 blade branch cutter.
- Blade thickness 4 mm and  $\varnothing$  700 mm.
- Ecological cut.
- Kevlar belt.

**OPTION**



- Swinging blades used for light cutting tasks ( $\varnothing$  up to 30 mm).

### CUTTER BAR



- Width 1.30 m or 2.20 m
- Max. branch  $\varnothing$  100 mm
- no maintenance, no sharpening required.

Cutting width	1.20 m
Rotor rotation speed	+/- 2500 rpm
Double rotation direction	with cable for Axiona electrical for Prodigia
Float Position	yes
Engine	Axial pistons
Cubic capacity	25 cc
Drive	toothed belt
Cutting height	3 positions
Feeler roller diam. 132 mm.	
Universal maintenance rotor	Cutting width 1.20 m
Anti-projection cover	in compliance with EC standards

\* enables automatic following of the terrain to be cut

### Universal Flails

Mowing flails "y" beam Serial fitted.



### FIXA SPEED System

Fast fitting mowing flails.



### UNIVERSAL ROTOR

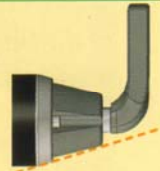
Equipped with  $\varnothing$  14 mm shackles and screws. Fastened to the rounded, anti-shock lugs.



### FEELER ROLLER

– The rounded profile of the support favours sliding along the bottom of the ditch.

- Removable end-piece with double-roller bearings.



# The factory-direct services

## Specialists at your side

- 6 local depots for optimum service.
- 11 travelling shop vehicle.
- 12 technical intervention vehicles.

## The power of logistics

- A central warehouse with over 6,000 referenced products.
- 98 % of urgent spare-part orders shipped within 24 hours.

## Permanent technical assistance

- Hotline until 7 pm and Saturday morning during the season.

## Training

- Training of machine operators and mechanics.

## Noremat service pack: Your peace-of-mind contract

- On-site delivery of your equipment and fitting to your tractor
- Commissioning and operating tips by your Noremat service technician
- 50-hour technical inspection on site
- Guarantee extension for hydraulic components



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