



THE BEST HAS A NAME  
**ORSI** *Group*



44° 41' 13" N  
11° 20' 17" E

**FOR TRADITION**  
**ONE STEP AHEAD**

**HYDRAULIC HEDGE MOWERS | AGRICULTURAL SERIES**

[WWW.ORSIGROUP.IT](http://WWW.ORSIGROUP.IT)



# COMMAND

## CLASSIC

*Standard*

**COMMAND WITH PROGRESSIVE TELEFLEXIBLE CABLES**

Maximum reliability and robustness, high easy use.



## EASY-TRONIC

**MECHANICAL CABLE PROPORTIONAL SINGLE LEVER CONTROL 1st AND 2nd MOVEMENT + 3rd AND 4th ELECTRIC MOVEMENT WITH ON-OFF BUTTONS. EASE OF MOVEMENT AND STRENGTH**

The EASY-TRONIC control has the proportional movements of the 1st and 2nd arm operated by the joystick. The electric movement of the head inclination takes place via 2 buttons ( "ON / OFF", 3rd movement ), the floating function is activated with a dedicated switch ( "0 / 1" ). 2 other buttons on the joystick control the electric movement of the rotation of the hydraulic column (4th movement if present).

The positioning of all the switches on the back of the joystick allows the operation of all movements with a single hand. The rotor is switched on and off by means of a tele-flexible cable control with lever. The rotor control is equipped with an anti-rotation safety lever for involuntary / accidental inversion of the rotor.



**SINGLE MOVEMENTS**



# NEW SMART-TRONIC V2.1

AVAILABLE STARTING  
FROM THE 1/1/2023



SIMULTANEOUS  
MOVEMENTS

## JOYSTICK WITH 5 ELECTRO-PROPORTIONAL COMPENSATED MOVEMENTS

An ergonomic and highly sensitive joystick where everything is in the palm of one hand. Very small footprint in the cockpit, the joystick puts the operator in complete control via a small electrical cable.

The SMART-TRONIC command has all of the movements proportional and compensated which allow a simultaneous use without having any losses in pressures or functions that slow down or freeze. The 1st and 2nd boom are controlled by the joystick and the rotor activation goes with an electric command and has a timer on the change of the rotor's direction. The float function is also selected by a button on the Joystick whilst the proportional movement of the head inclination is adjusted by a roller on the joystick. Using other two rollers on the joystick you control the proportional movement of the slew and of the telescopic arm ( if equipped ).

The machine comes with mechanical levers as a standard equipment for emergency operations without having to use the Joystick. Each element of the distributor is equipped with its own integrated proportional valve with a pressure compensator to allow multiple and simultaneous movements.

# SMART-TRONIC



OUT OF PRODUCTION FROM  
THE 31/12/2022



SIMULTANEOUS  
MOVEMENTS

## COMPENSATED ELECTRO-PROPORTIONAL COMMAND 5 ELECTROPROPORTIONATE MOVEMENTS (3 COMPENSATED)

High sensitivity, ergonomic command with everything at your fingertips. Very small footprint in the cockpit, the joystick puts the operator in complete control via a small electrical cable.

The SMART-TRONIC command has all proportional movements, 3 of which are compensated thus allowing simultaneous use without having dips in pressures or functions that slow down or freeze the operation. The 1st and 2nd arms are controlled by the joystick and the rotor activation operated by buttons with rotor safety anti-reversal timer. The float function is also selected by a button on the Joystick whilst the proportional movement of the head angle is adjusted by a roller on the joystick. Pressing 2 buttons on the joystick, changes the movement of the joystick to operate proportional movements of the slew ( if equipped ).

In case of problems, there are mechanical levers for a possible temporary operation without Joystick. Each element of the distributor is equipped with its own integrated proportional valve with pressure compensator to allow multiple movements to be moved simultaneously.

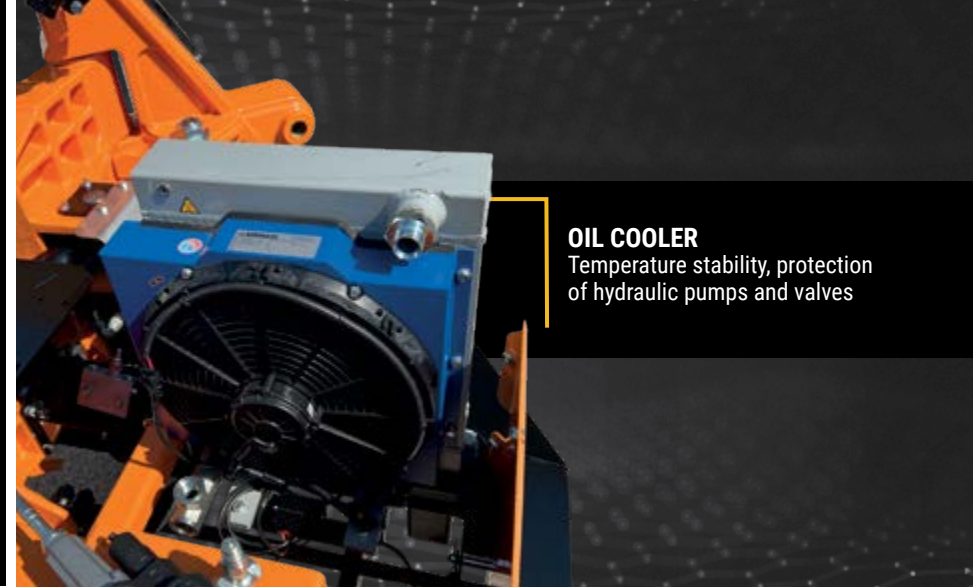
# THE ORSI QUALITY



**ARM ENDING AND JOINT GROUP  
IN CAST IRON**



# HYDRAULIC SYSTEM



**OIL COOLER**  
Temperature stability, protection of hydraulic pumps and valves



**GEAR PUMP AND MOTOR**



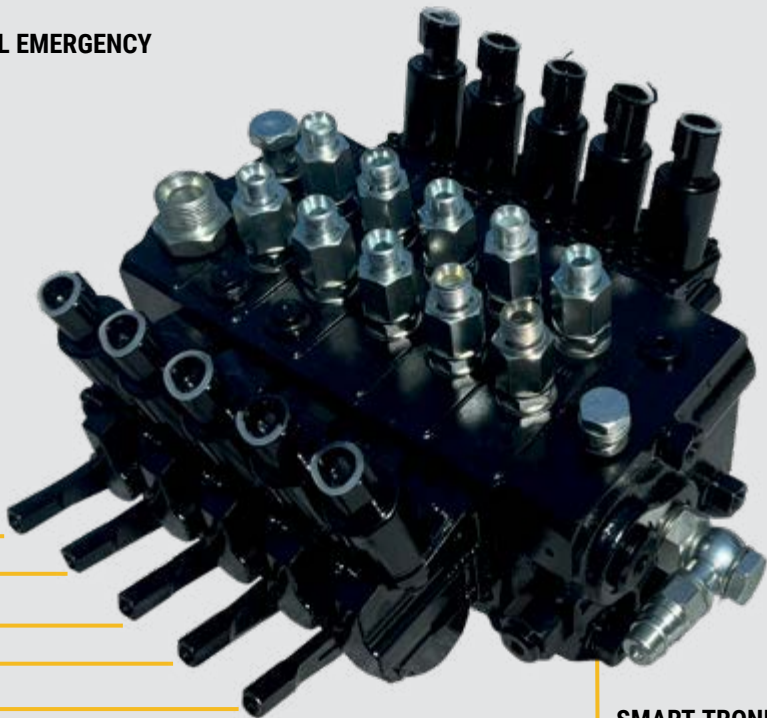
**OVERCENTER VALVES**  
*(only smart-tronic and fast-tronic)*

**CAST-IRON GEARBOX**



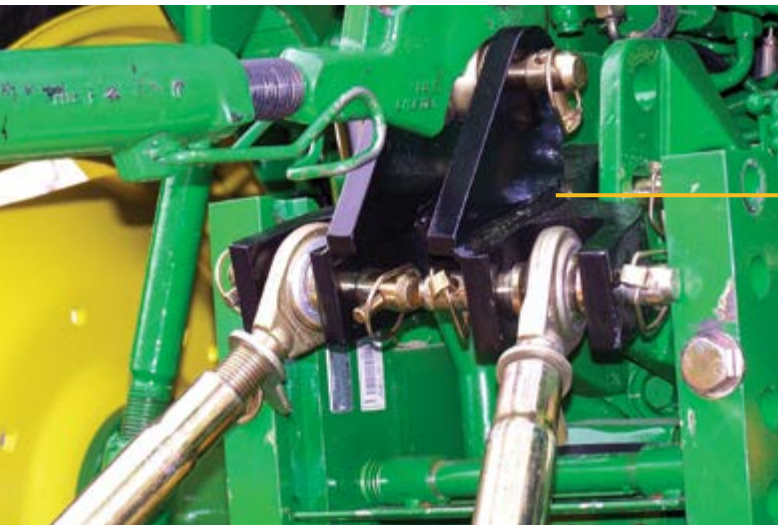
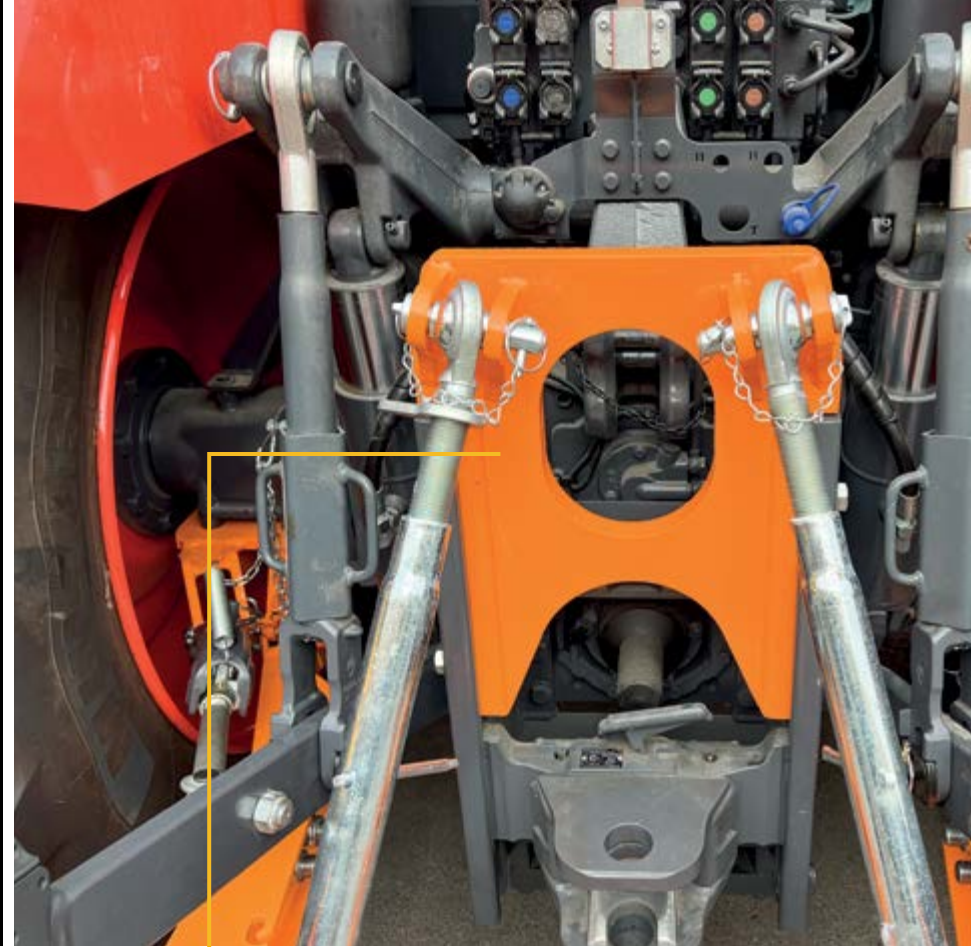
**FILTERING SYSTEM TO PROTECT HYDRAULIC COMPONENTS**

**MANUAL EMERGENCY LEVERS**



**SMART-TRONIC, ELECTRO PROPORTIONAL AND COMPENSATED MONOBLOCK VALVE**

# TRACTOR ATTACHMENTS



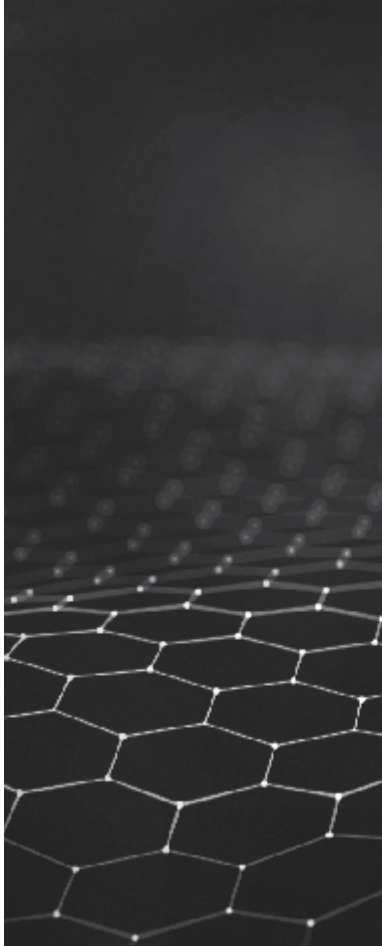
## **BRACKET (optional)**

For use in conjunction with stabilizers  
If the tractor is not equipped with  
suitable anchorage points for  
stabilizers.

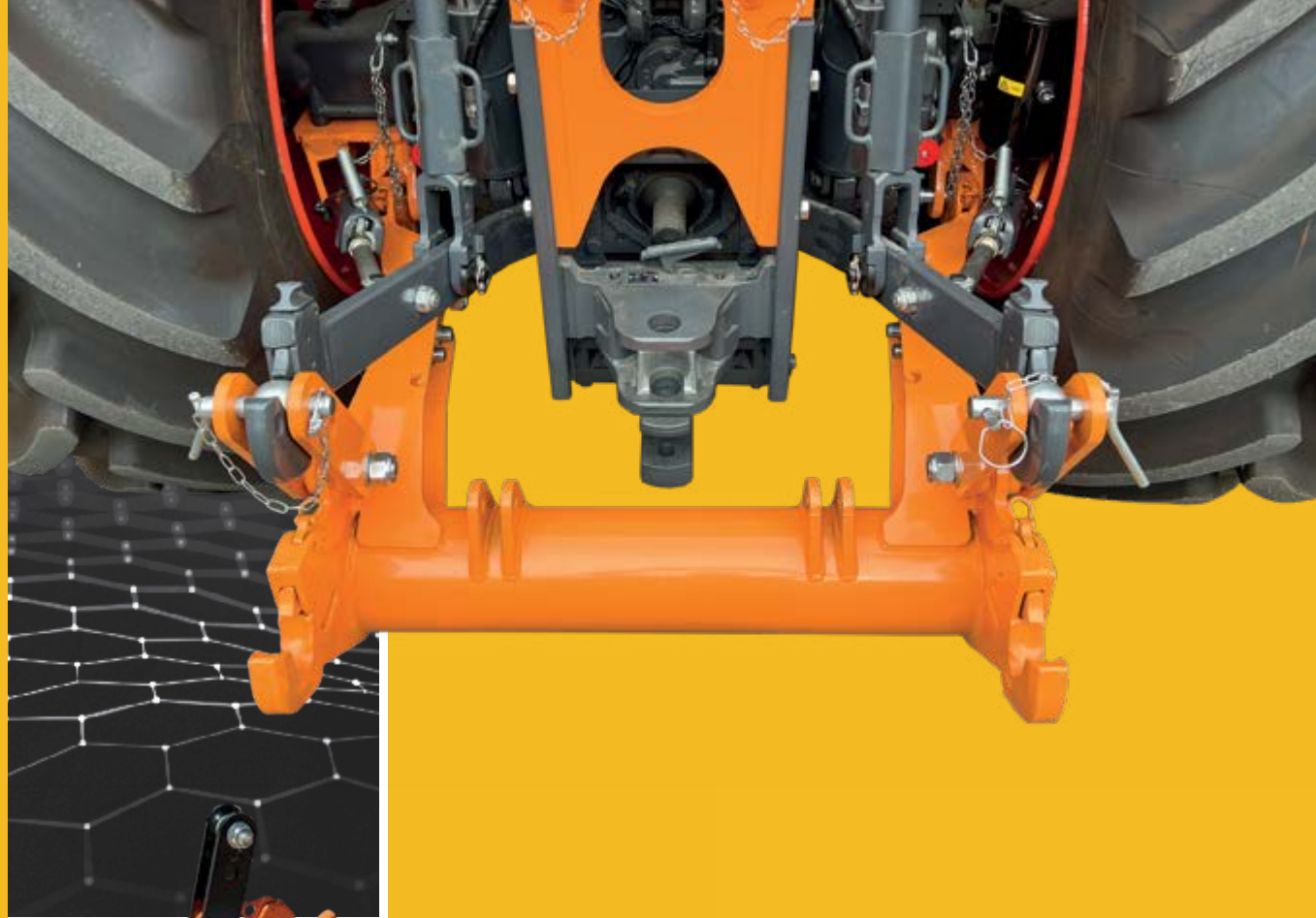
## **STABILIZERS HITCH PLATE (recommended options)**

Some tractors are equipped with a sledge tow hook.  
This type of attachment for tensioners makes the  
mounting of the hedge cutter on the tractor more rigid.





# RAPID LINK



**RAPID LINK**  
*(recommended options)*  
Much stronger and more stable mounting frame than the tractor linkage. Quick assembly and disassembly.

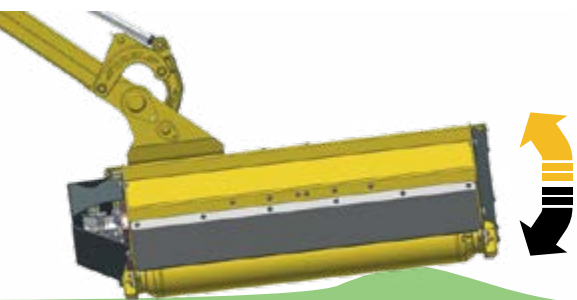


SCAN ME

# LEVELING SYSTEMS

## **\*NO FLOATING NO SUSPENSION**

A continuous manual input is required.



## **CUTTING HEAD WITH FLOATATION SYSTEM**

Allows the cutting head to follow automatically the shape of the ground in a vertical plane, reducing the required manual inputs on the joystick from the operator and increasing the comfort.

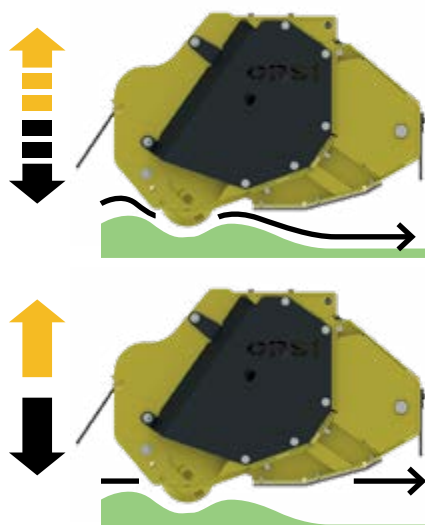
*Available on every Orsi Group Reach Mower.*







**\*VERTICAL FLOAT**  
Automatic floatation system of the cutting head on the ground, reduces the number of manual inputs and increases the comfort while working.



**VERTICAL FLOAT**

A hydropneumatic suspension which allows the cutting to follow the shape of the ground on a vertical plane.

It reduces significantly the need of manual actions to adjust the position.

- Reduction of manual inputs;
- Floatation range up to 35 cm ;
- Pressurized nitrogen accumulator;
- Constant cutting height;
- Reduction of a premature wear on tools and skids.

\* Depending on machine and ground conditions



# HARDOX AND STRENX



## WHY WE USE HARDOX?

### **Hardox® 450**

The most popular abrasion-resistant steel with excellent structural properties.

Hardox® 450 is an abrasion-resistant steel with a nominal hardness of 450 HBW. Hardox® 450 combines good bendability and weldability with an option for guaranteed impact toughness (Hardox® 450 Tuf).

The products can be used in many different components and structures that are subject to wear. Hardox® 450, with an extra 50 Brinell hardness over our 400 grade, provides better dent and abrasion resistance as well as longer wear life, so you can achieve even greater savings.



## WHY WE USE STRENX?

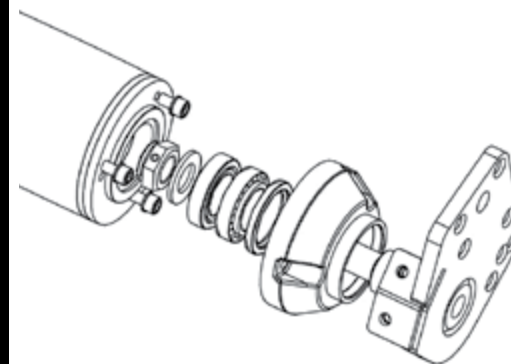
### **Superior properties**

Strenx® steel has extremely consistent properties, ensuring precision and efficiency in the workshop.

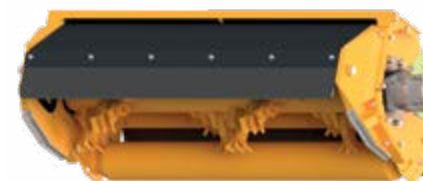
If you think all steel is basically the same, Strenx® performance steel will change your thinking. Strong and reliable from surface to core, Strenx® steel features exceptional surface quality as well as impressive thickness and flatness tolerances verified by the Strenx® guarantees. The steel's properties - yield and tensile strength, bending performance, impact toughness - are carefully tested to ensure reliability and consistency in every delivery.



# CUTTING HEADS



**PROFESSIONAL REAR ROLLER Ø 140 mm (optional)** with 4 taper roller bearings, mud scraper and interchangeable central body.



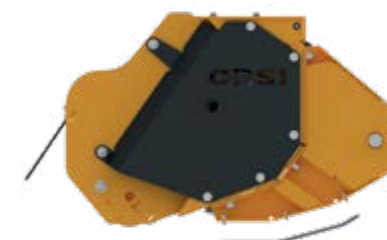
**DIRECT TRANSMISSION**  
The hydraulic motor is installed directly on the side of the cutting head, protected by a robust carter.



**BELTS TRANSMISSION**  
The hydraulic motor is installed internally; the power output is transmitted by belts and pulleys. The size is significantly reduced allowing to work in narrow spaces.



**REAR ROLLER ADJUSTABLE IN HEIGHT**



**SKIDS (standard)**  
Standard equipment in all PROF cutting heads, substitutable in a few minutes.

CUTTING HEAD AGRI	DIRECT TRANSMISSION	BELTS TRANSMISSION
Double frame	✓	✓
Multi-knife rotor	✓	✓
Oscillating bearings with double rows of balls	✓	✓
Hardox counter knife	✓	✓
Cutting Head with floating and self-leveling system	✓	✓
Head rotation	✓	✓
Double rotation of the rotor	✓	✓
Skids	✓	✓
Professional rear roller Ø 140 mm (Ø 5,5") with 4 roller bearings, mud scraper and interchangeable central body	•	•
CUTTING HEAD GARDENING		
Oscillating bearings with double rows of balls	✓	-
Head rotation	✓	-
Double rotation of the rotor	✓	-
Side skids on head	•	•



# CUTTING HEADS

## ROTOR / TOOLS



**PD** REAR MOUNTED



**PS** MOUNTING ON TOP

TOOLS

- |  |  |  |
|--|--|--|
| <b>A</b> GRASS<br>max Ø 1,5 cm / 0,6"        | <b>D</b> GRASS AND WOOD<br>max Ø 3 cm / 1,2" | <b>N</b> WOOD<br>max Ø 5 cm / 2"             |
| <b>S</b> GRASS AND WOOD<br>max Ø 2,5 cm / 1" | <b>E</b> GRASS AND WOOD<br>max Ø 3 cm / 1,2" | <b>O</b> GRASS AND WOOD<br>max Ø 3 cm / 1,2" |
| <b>F</b> HEDGES<br>max Ø 4 cm / 1,6"         |  |  |

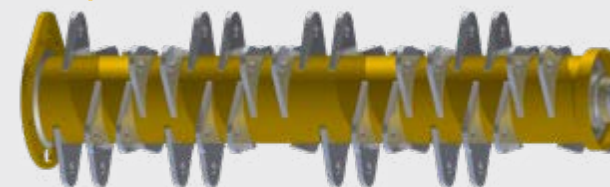
## GARDENING


DIRECT TRANSMISSION



MULTI-KNIFE ROTOR

ROTOR



**A**  A: Ø 90 x 6 mm  
A: Ø 3,6" x 0,3"

**31" / 80 cm**



**A**



**S**

 FOR MULTI-KNIFE ROTOR, SPECIFY THE CHOICE TOOL AT TIME OF ORDER



## AGRI PS

DIRECT TRANSMISSION



## AGRI PS

BELTS TRANSMISSION



## AGRI PD

DIRECT TRANSMISSION

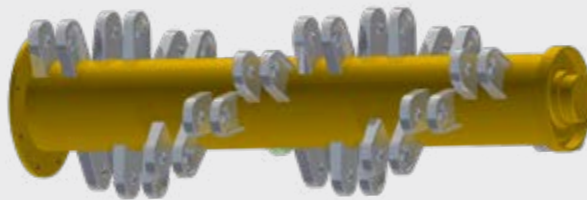


## AGRI PD

BELTS TRANSMISSION



### MULTI-KNIFE ROTOR



31" / 80 cm  
41" / 105 cm  
49" / 125 cm

A:  $\varnothing$  102 x 12,5 mm  
A:  $\varnothing$  4" x 0,5"



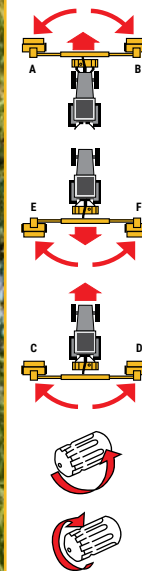


# CUT REVERS

029 | 030

**COMPASS**

16 - 35 HP











DIRECTION OF ROTATION OF P.T.O.



**VERSION AVAILABLE TO BE MOUNTED:**  
 REAR RIGHT | REAR LEFT  
 FRONT RIGHT | FRONT LEFT  
 REVERSE DRIVE RIGHT | REVERSE DRIVE LEFT



MODEL	 min	 hp/kw	 min	 min	 CAT.		 <i>opt. on!</i>	rpm / min
<b>029</b>	800 kg / 1763 lbs	16 HP/12 kW	100 cm / 39"	313 cm / 123"	I	540	1000*	3350
<b>029 SX</b>	800 kg / 1763 lbs	16 HP/12 kW	100 cm / 39"	313 cm / 123"	I	540	1000*	3350
<b>030</b>	800 kg / 1763 lbs	16 HP/12 kW	100 cm / 39"	315 cm / 124"	I	540	1000*	3350
<b>030 SX</b>	800 kg / 1763 lbs	16 HP/12 kW	100 cm / 39"	315 cm / 124"	I	540	1000*	3350




\* with frontal hitch

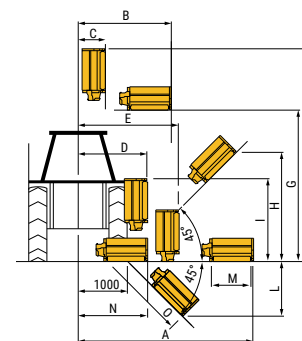


CUT REVERS	029 / 029 SX	030 / 030 SX
<b>HYDRAULIC SYSTEM</b>		
Oil tank capacity	65 lt	65 lt
Arm movements oil flow rate	7 lt/min a 170 bar	7 lt/min a 170 bar
Cutting head oil flow rate	40 lt/min a 210 bar	40 lt/min a 210 bar
Hp / kW head rotor	25 hp / 18,6 kW	25 hp / 18,6 kW
4 kW oil-cooler with thermostat	•	•
<b>TRANSMISSION</b>		
Hydraulic motor	Alloy Gr. 2	Alloy Gr. 2
Hydraulic pumps	Alloy	Alloy
Multiplier	Alloy	Alloy
<b>SAFETY</b>		
Safety spring on 2nd arm	✓	✓
<b>HITCH</b>		
Stabilizers	✓	✓
Bracket	•	•
Frontal mounted supplement price - PTO 1000 rpm	•	•
<b>CONTROLS</b>		
Classic	✓	✓
Easy-tronic	•	•

DIRECT TRANSMISSION

WORKING WIDTH

CUTTING HEAD	80	80
		
<b>GARDENING SERIES</b>		
<b>MODELS</b>		
029 / 029 SX	✓	•
030 / 030 SX	✓	•



cm / inch	029 / 029 SX	030 / 030 SX
<b>A</b>	313 cm / 123"	315 cm / 124"
<b>B</b>	153 cm / 60"	158 cm / 62"
<b>C</b>	50 cm / 20"	50 cm / 20"
<b>D</b>	61 cm / 24"	62 cm / 24,4"
<b>E</b>	167 cm / 66"	158 cm / 62"
<b>F</b>	376 cm / 148"	386 cm / 152"
<b>G</b>	243 cm / 96"	232 cm / 91"
<b>H</b>	196 cm / 77"	198 cm / 78"
<b>I</b>	150 cm / 59"	151 cm / 59,5"
<b>L</b>	113 cm / 44"	119 cm / 47"
<b>M</b>	80 cm / 31"	80 cm / 31"
<b>N</b>	134 cm / 53"	134 cm / 53"
<b>O</b>	160 cm / 63"	168 cm / 66"



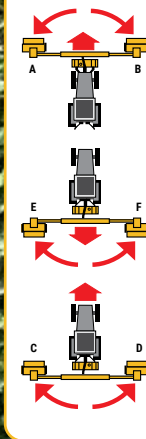











# HEDGE

160

COMPASS

20 - 70 HP



MODEL	 	  hp/kW	 	 		CAT.
160	800 kg / 1763 lbs	16 HP/12 kW	100 cm / 39"	423 cm / 166"	190 kg / 419 lbs	I-II



<b>HEDGE</b>	<b>160</b>
<b>HYDRAULIC SYSTEM</b>	
Minimum oil flow	15-20 lt
Oil flow rate pruning bar head 100 cm/39" max Ø cutting 1 cm/0,39"	see motor list below
Oil flow rate pruning bar head 160 cm/63" max Ø cutting 1 cm/0,39"	see motor list below
Priority compensated flow control in the hydraulic system, excess to pressure	✓
<b>CONTROLS</b>	
<b>Classic</b> (tele flexible control with floating)	✓
Quick couplings tractors	✓
<b>Classic</b> (tele flexible control with floating) Cable L=2000	•
<b>Classic</b> (tele flexible control with floating) Cable L=3000	•

**(A.) PRUNING CUTTING**



**(B.) HEDGE BAR**



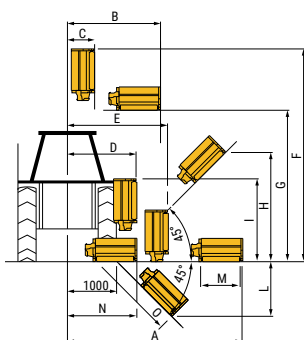
AT WISH WHEN ORDERING

CYL. C.C.	FLOW RATE	BAR PRESSURE
32 c.c.	7 l/min	90
40 c.c.	8 l/min	70
50 c.c.	10 l/min	60

AT WISH WHEN ORDERING

CYL. C.C.	FLOW RATE	BAR PRESSURE
50 c.c.	15 l/min	120
80 c.c.	17 l/min	120
100 c.c.	20 l/min	120
125 c.c.	25 l/min	120
160 c.c.	40 l/min	120

Max. cutting Ø only guaranteed by motor with highest cc.



cm / inch	160
A	423 cm / 166"
B	225 cm / 88"
C	105 cm / 41"
D	64 cm / 25"
E	290 cm / 114"
F	505 cm / 199"
G	340 cm / 134"
H	284 cm / 112"
I	216 cm / 85"
L	113 cm / 44"
M	160 cm / 63"
N	212 cm / 83"
O	163 cm / 64"

✓ STANDARD EQUIPMENT | • OPTIONAL EQUIPMENT | - NOT AVAILABLE



WORKING WIDTH



# RIVER COMPACT

355 | 420









**COMPASS**

25 - 55 HP



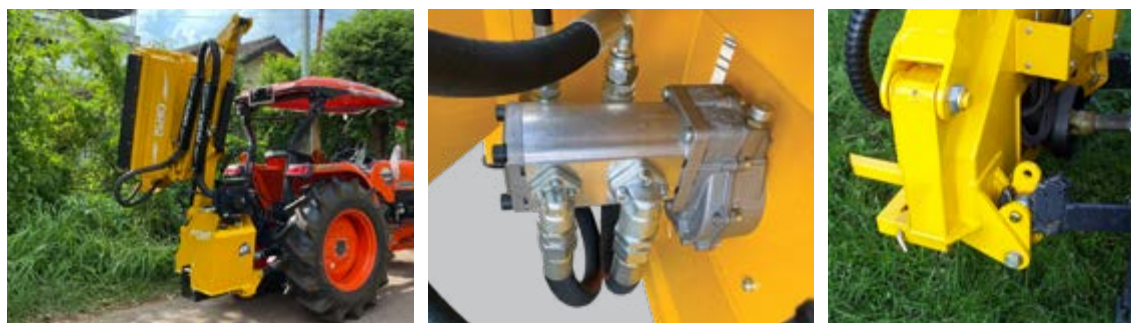
LEFT VERSION



MODEL	 	 hp/kW				 CAT.	 rpm / min
355 / 355 sx	1500 kg / 3307 lbs	25 HP / 18,6 kW	150 cm / 331"	345 cm / 760"	515 kg / 1135 lbs	I	540 2800
420 / 420 sx	1800 kg / 3968 lbs	35 HP / 26 kW	160 cm / 63"	425 cm / 937"	595 kg / 1312 lbs	I	540 2800





RIVER COMPACT	355 / 355 SX	420 / 420 SX
<b>MACHINE</b>		
Recommended use / till - hours/year	250	250
2° Arm ending and joint group in cast iron	✓	✓
<b>HYDRAULIC SYSTEM</b>		
Oil tank capacity	75 lt	75 lt
Arm movements oil flow rate	10 lt/min a 180 bar	10 lt/min a 180 bar
Cutting head oil flow rate	56 lt/min a 180 bar	56 lt/min a 180 bar
Hp / kW head rotor	40 hp / 29,8 kW	40 hp / 29,8 kW
7 kW oil-cooler with thermostat	•	•
Manual hydropneumatic head suspension	•	•
Electric vertical floating on the first arm (suspension by a nitrogen accumulator) <i>(only with easy-tronic command)</i>	•	•
<b>TRANSMISSION</b>		
Hydraulic motor	Alloy Gr. 2	Alloy Gr. 2
Hydraulic pumps	Alloy	Alloy
Multiplier	Alloy	Alloy
Cardan shaft 3x900	✓	✓
<b>SAFETY</b>		
Mechanical safety system	✓	✓
<b>HITCH</b>		
Stabilizers	✓	✓
Bracket	•	•
<b>CONTROLS</b>		
Classic	✓	✓
Easy-tronic	•	•

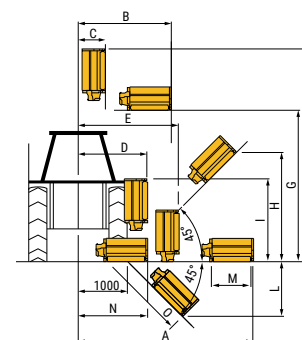


✓ STANDARD EQUIPMENT | • OPTIONAL EQUIPMENT | - NOT AVAILABLE

DIRECT TRANSMISSION

CUTTING HEAD	80	105
		
<b>MODELS</b>		
355 / 355 SX	✓	•
420 / 420 SX	✓	•

WORKING WIDTH



cm / inch	355 / 355 SX	420 / 420 SX
A	345 cm / 136"	425 cm / 167"
B	165 cm / 65"	220 cm / 87"
C	65 cm / 25"	100 cm / 39"
D	90 cm / 35"	120 cm / 47"
E	230 cm / 90"	275 cm / 108"
F	440 cm / 173"	525 cm / 207"
G	300 cm / 118"	370 cm / 146"
H	245 cm / 96"	315 cm / 124"
I	200 cm / 79"	230 cm / 90"
L	135 cm / 53"	195 cm / 76"
M	80 cm / 31"	105 cm / 41"
N	140 cm / 55"	155 cm / 61"
O	190 cm / 74"	270 cm / 106"











# RIVER COMPACT PLUS

450 | 500 | 580

**COMPASS**

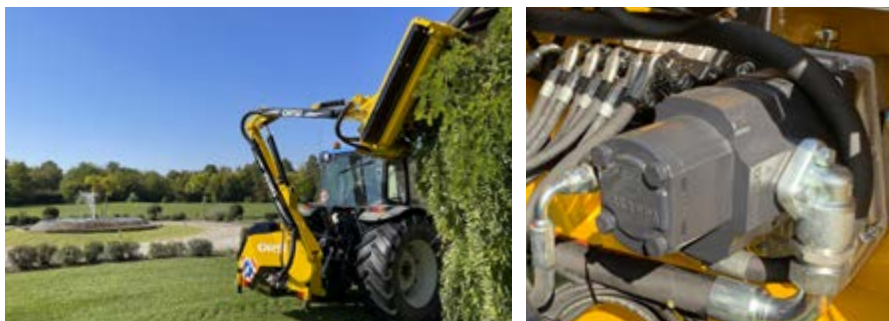
50 - 90 HP



MODEL	 	 hp/kW					CAT.		rpm / min
450	1800 kg / 3968 lbs	45 HP / 33,5 kW	160 cm / 63"	446 cm / 175"	750 kg / 1653 lbs	II	540	3110	
500	2000 kg / 4409 lbs	45 HP / 33,5 kW	160 cm / 63"	492 cm / 194"	785 kg / 1730 lbs	II	540	3110	
580	2200 kg / 4850 lbs	45 HP / 33,5 kW	180 cm / 71"	580 cm / 228"	835 kg / 1841 lbs	II	540	3110	





RIVER COMPACT PLUS	450	500	580
<b>MACHINE</b>			
Recommended use / till - hours/year	400	400	400
2° Arm ending and joint group in cast iron	✓	✓	✓
Bumper with lights	•	•	•
<b>HYDRAULIC SYSTEM</b>			
Oil tank capacity	155 lt	155 lt	155 lt
Arm movements oil flow rate	26 lt/min a 180 bar	26 lt/min a 180 bar	26 lt/min a 180 bar
Cutting head oil flow rate	84 lt/min a 180 bar	84 lt/min a 180 bar	84 lt/min a 180 bar
Hp / kW head rotor	50 hp / 37,5 kW	50 hp / 37,5 kW	50 hp / 37,5 kW
7 kW oil-cooler with thermostat	•	•	•
Manual hydropneumatic head suspension	•	•	•
Electric vertical floating on the first arm (suspension by a nitrogen accumulator) (only with easy-tronic and smart-tronic command)	•	•	•
<b>TRANSMISSION</b>			
Hydraulic motor	Cast Iron Gr. 3	Cast Iron Gr. 3	Cast Iron Gr. 3
Hydraulic pumps	Alloy/Cast Iron	Alloy/Cast Iron	Alloy/Cast Iron
Multiplier	Alloy	Alloy	Alloy
Cardan shaft 5x1000	✓	✓	✓
<b>SAFETY</b>			
Mechanical safety system	✓	✓	✓
<b>HITCH</b>			
Stabilizers	✓	✓	✓
Bracket (NOT with stabilizers hitch plate)	•	•	•
Stabilizers hitch plate	•	•	•
<b>CONTROLS</b>			
Classic	✓	✓	✓
Easy-tronic	•	•	•
Smart-tronic out of production from the 31/12/2022	•	•	•
NEW Smart-tronic V2.1 available starting from the 1/1/2023	•	•	•





✓ STANDARD EQUIPMENT | • OPTIONAL EQUIPMENT | - NOT AVAILABLE

DIRECT TRANSMISSION

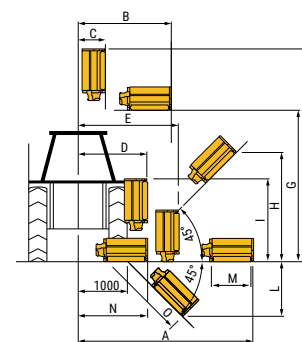
CUTTING HEAD	80	105	125
			
<b>MODELS</b>			
450	•	✓	•
500	•	✓	•
580	•	✓	•

BELTS TRANSMISSION

CUTTING HEAD	105	125
		
<b>MODELS</b>		
450	•	•
500	•	•
580	•	•

WORKING WIDTH

cm / inch	450	500	580
<b>A</b>	447 cm / 176"	493 cm / 194"	583 cm / 229"
<b>B</b>	192 cm / 75"	200 cm / 79"	210 cm / 87"
<b>C</b>	120 cm / 47"	124 cm / 49"	124 cm / 49"
<b>D</b>	118 cm / 46"	111 cm / 44"	137 cm / 54"
<b>E</b>	294 cm / 116"	318 cm / 125"	302 cm / 119"
<b>F</b>	492 cm / 193"	537 cm / 211"	627 cm / 247"
<b>G</b>	288 cm / 113"	328 cm / 129"	367 cm / 144"
<b>H</b>	300 cm / 118"	332 cm / 131"	396 cm / 156"
<b>I</b>	237 cm / 93"	244 cm / 96"	216 cm / 85"
<b>L</b>	160 cm / 63"	179 cm / 70"	235 cm / 92"
<b>M</b>	105 cm / 41"	105 cm / 41"	105 cm / 41"
<b>N</b>	190 cm / 75"	200 cm / 79"	166 cm / 65"
<b>O</b>	226 cm / 89"	254 cm / 100"	333 cm / 131"



# RIO












450 | 500 | 580

COMPASS



45 - 90 HP



MODEL	  	 hp/kW	 	 		 CAT.		rpm / min
450	1800 kg / 3968 lbs	45 HP / 33,5 kW	160 cm / 63"	446 cm / 175"	750 kg / 1653 lbs	I-II	540	3110
500	2000 kg / 4409 lbs	45 HP / 33,5 kW	160 cm / 63"	492 cm / 194"	785 kg / 1730 lbs	I-II	540	3110
580	2200 kg / 4850 lbs	45 HP / 33,5 kW	180 cm / 71"	580 cm / 228"	835 kg / 1841 lbs	I-II	540	3110



RIO	450	500	580
<b>MACHINE</b>			
Recommended use / till - hours/year	400	400	400
Cast iron frame <b>(A.)</b>	✓	✓	✓
2° Arm ending and joint group in cast iron <b>(B.)</b>	✓	✓	✓
Bumper with lights	•	•	•
<b>HYDRAULIC SYSTEM</b>			
Oil tank capacity	155 lt	155 lt	155 lt
Arm movements oil flow rate	26 lt/min a 180 bar	26 lt/min a 180 bar	26 lt/min a 180 bar
Cutting head oil flow rate	84 lt/min a 180 bar	84 lt/min a 180 bar	84 lt/min a 180 bar
Hp / kW head rotor	50 hp / 37,5 kW	50 hp / 37,5 kW	50 hp / 37,5 kW
10 kW oil-cooler with thermostat	•	•	•
Manual hydropneumatic head suspension	•	•	•
Electric vertical floating on the first arm (suspension by a nitrogen accumulator) <b>(only with smart-tronic and easy-tronic command)</b>	•	•	•
<b>TRANSMISSION</b>			
Hydraulic motor	Cast Iron Gr. 3	Cast Iron Gr. 3	Cast Iron Gr. 3
Hydraulic pumps	Cast Iron	Cast Iron	Cast Iron
Multiplier	Alloy	Alloy	Alloy
Cardan shaft 5x1000	✓	✓	✓
<b>SAFETY</b>			
Safety device with mechanical shock absorber on the 2nd arm <b>(C.)</b>	✓	✓	✓
<b>HITCH</b>			
Stabilizers	✓	✓	✓
Bracket <i>(NOT with stabilizers hitch plate)</i>	•	•	•
Stabilizers hitch plate	•	•	•
<b>CONTROLS</b>			
Classic	✓	✓	✓
Easy-tronic	•	•	•
Smart-tronic out of production from the 31/12/2022	•	•	•
<b>NEW Smart-tronic V2.1</b> available starting from the 1/1/2023	•	•	•



(A.)





(B.)





(C.)

✓ STANDARD EQUIPMENT | • OPTIONAL EQUIPMENT | - NOT AVAILABLE

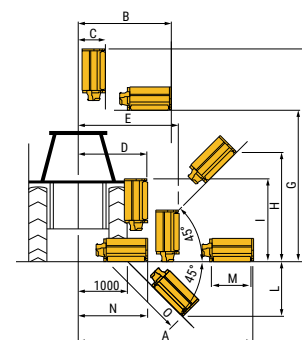
DIRECT TRANSMISSION

CUTTING HEAD	80	105	125
			
<b>MODELS</b>			
450	•	✓	•
500	•	✓	•
580	•	✓	•

BELTS TRANSMISSION

CUTTING HEAD	105	125
		
<b>MODELS</b>		
450	•	•
500	•	•
580	•	•

WORKING WIDTH



cm / inch	450	500	580
<b>A</b>	446 cm / 175"	492 cm / 194"	580 cm / 228"
<b>B</b>	255 cm / 100"	272 cm / 107"	321 cm / 126"
<b>C</b>	114 cm / 44,8"	114 cm / 44,8"	115 cm / 45"
<b>D</b>	118 cm / 46"	109 cm / 43"	138 cm / 54"
<b>E</b>	269 cm / 106"	291 cm / 114"	252 cm / 99"
<b>F</b>	452 cm / 178"	498 cm / 196"	586 cm / 231"
<b>G</b>	267 cm / 105"	308 cm / 121"	361 cm / 142"
<b>H</b>	284 cm / 112"	316 cm / 124"	378 cm / 149"
<b>I</b>	196 cm / 77"	205 cm / 81"	181 cm / 71"
<b>L</b>	205 cm / 81"	231 cm / 91"	283 cm / 111"
<b>M</b>	105 cm / 41"	105 cm / 41"	105 cm / 41"
<b>N</b>	192 cm / 75"	200 cm / 79"	186 cm / 73"
<b>O</b>	292 cm / 115"	328 cm / 129"	401 cm / 158"













# PERFORMANCE

455 | 535

**COMPASS**

45 - 100 HP



MODEL	 	 hp/kW	 	 		 CAT.	 rpm / min
450	1900 kg / 4188 lbs	45 HP / 33,5 kW	170 cm / 67"	455 cm / 179"	820 kg / 1808 lbs	II	540 / 3110
535	2100 kg / 4629 lbs	45 HP / 33,5 kW	180 cm / 71"	530 cm / 201"	865 kg / 1907 lbs	II	540 / 3110





PERFORMANCE	455	535
<b>MACHINE</b>		
Recommended use / till - hours/year	400	400
2° Arm ending and joint group in cast iron	✓	✓
Led lights	•	•
<b>HYDRAULIC SYSTEM</b>		
Oil tank capacity	140 lt	140 lt
Arm movements oil flow rate	15 lt/min a 180 bar	15 lt/min a 180 bar
Cutting head oil flow rate	84 lt/min a 180 bar	84 lt/min a 180 bar
Hp / kW head rotor	50 hp / 37,5 kW	50 hp / 37,5 kW
10 kW oil cooler with auto-reverse fan with automatic variable speed and integrated by-pass valve	•	•
Manual hydropneumatic head suspension	•	•
Electric vertical floating on the first arm (suspension by a nitrogen accumulator) <b>(only with smart-tronic and easy-tronic command)</b>	•	•
<b>TRANSMISSION</b>		
Hydraulic motor	Cast Iron Gr. 3	Cast Iron Gr. 3
Hydraulic pumps	Cast Iron Gr. 3	Cast Iron Gr. 3
Multiplier	Alloy	Alloy
Cardan shaft 5x1000	✓	✓
<b>SAFETY</b>		
105° hydraulic rotation with safety valve	✓	✓
<b>HITCH</b>		
Stabilizers	✓	✓
Bracket <i>(NOT with stabilizers hitch plate)</i>	•	•
Stabilizers hitch plate	•	•
<b>CONTROLS</b>		
Classic	✓	✓
Easy-tronic	•	•
Smart-tronic out of production from the 31/12/2022	•	•
<b>NEW</b> Smart-tronic V2.1 available starting from the 1/1/2023	•	•





✓ STANDARD EQUIPMENT | • OPTIONAL EQUIPMENT | - NOT AVAILABLE

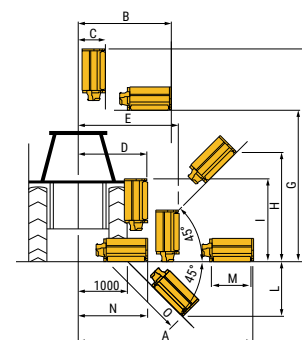
DIRECT TRANSMISSION

CUTTING HEAD	80	105	125
			
<b>MODELS</b>			
455	•	✓	•
535	•	✓	•

BELTS TRANSMISSION

CUTTING HEAD	105	125
		
<b>MODELS</b>		
455	•	•
535	•	•

WORKING WIDTH



cm / inch	455	535
<b>A</b>	455 cm / 179"	535 cm / 201"
<b>B</b>	217 cm / 85"	226 cm / 89"
<b>C</b>	67 cm / 26"	80 cm / 31"
<b>D</b>	153 cm / 60"	106 cm / 42"
<b>E</b>	229 cm / 90"	233 cm / 91"
<b>F</b>	547 cm / 215"	642 cm / 253"
<b>G</b>	409 cm / 161"	475 cm / 187"
<b>H</b>	296 cm / 116"	385 cm / 151"
<b>I</b>	197 cm / 77"	185 cm / 72"
<b>L</b>	185 cm / 73"	262 cm / 103"
<b>M</b>	125 cm / 49"	105 cm / 41"
<b>N</b>	195 cm / 77"	190 cm / 75"
<b>O</b>	266 cm / 105"	370 cm / 146"

# PERFORMANCE PARALLELOGRAM

510

**PARALLELOGRAM**

45 - 100 HP



MODEL	min	hp/kW	mm	mm	kg/lbs	CAT.	rpm / min
510	2300 kg / 5070 lbs	45 HP/33,5 kW	170 cm / 67"	510 cm / 201"	865 kg / 1907 lbs	II	540 3110





PERFORMANCE <b>PARALLELOGRAM</b>	510
<b>MACHINE</b>	
Recommended use / till - hours/year	400
2° Arm ending and joint group in cast iron	✓
Led lights	•
<b>HYDRAULIC SYSTEM</b>	
Oil tank capacity	140 lt
Arm movements oil flow rate	15 lt/min a 180 bar
Cutting head oil flow rate	84 lt/min a 180 bar
Hp / kW head rotor	50 hp / 37,5 kW
10 kW oil cooler with auto-reverse fan with automatic variable speed and integrated by-pass valve	•
Manual hydropneumatic head suspension	•
Electric vertical floating on the first arm (suspension by a nitrogen accumulator) <b>(only with smart-tronic and easy-tronic command)</b>	•
<b>TRANSMISSION</b>	
Hydraulic motor	Cast Iron Gr. 3
Hydraulic pumps	Cast Iron Gr. 3
Multiplier	Alloy
Cardan shaft 5x1000	✓
<b>SAFETY</b>	
105° hydraulic rotation with safety valve	✓
<b>HITCH</b>	
Stabilizers	✓
Bracket <i>(NOT with stabilizers hitch plate)</i>	•
Stabilizers hitch plate	•
<b>CONTROLS</b>	
Classic	✓
Easy-tronic	•
Smart-tronic out of production from the 31/12/2022	•
<b>NEW</b> Smart-tronic V2.1 available starting from the 1/1/2023	•





✓ STANDARD EQUIPMENT | • OPTIONAL EQUIPMENT | - NOT AVAILABLE

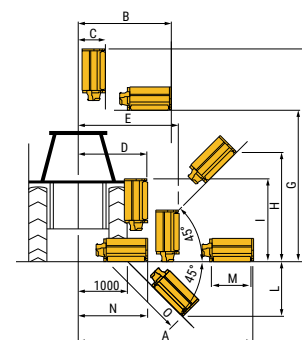
DIRECT TRANSMISSION

CUTTING HEAD	80	105	125
			
<b>MODELS</b>			
510	•	✓	•

BELTS TRANSMISSION

CUTTING HEAD	105	125
		
<b>MODELS</b>		
535	•	•

WORKING WIDTH



cm	510P
A	510 cm / 201"
B	260 cm / 102"
C	265 cm / 104"
D	148 cm / 58"
E	126 cm / 49"
F	565 cm / 222"
G	458 cm / 180"
H	340 cm / 134"
I	216 cm / 85"
L	220 cm / 87"
M	125 cm / 49"
N	195 cm / 77"
O	310 cm / 122"



# PERFORMANCE

## PARALLELOGRAM

### VISUAL

510

**PARALLELOGRAM  
SEMI-ADVANCED**



75 - 105 HP



MODEL	  	 hp/kw	 	 		CAT.		rpm / min
510	2300 kg / 5070 lbs	45 HP / 33,5 kW	170 cm / 67"	510 cm / 201"	865 kg / 1907 lbs	II	540	3110





PERFORMANCE <i>PARALLELOGRAM VISUAL</i>	510
<b>MACHINE</b>	
Recommended use / till - hours/year	400
2° Arm ending and joint group in cast iron	✓
Led lights	•
<b>HYDRAULIC SYSTEM</b>	
Oil tank capacity	140 lt
Arm movements oil flow rate	15 lt/min a 180 bar
Cutting head oil flow rate	84 lt/min a 180 bar
Hp / kW head rotor	50 hp / 37,5 kW
10 kW oil cooler with auto-reverse fan with automatic variable speed and integrated by-pass valve	•
Manual hydropneumatic head suspension	•
Electric vertical floating on the first arm (suspension by a nitrogen accumulator) <i>(only with smart-tronic and easy-tronic command)</i>	•
<b>TRANSMISSION</b>	
Hydraulic motor	Cast Iron Gr. 3
Hydraulic pumps	Cast Iron Gr. 3
Multiplier	Alloy
Cardan shaft 5x1000	✓
<b>SAFETY</b>	
105° hydraulic rotation with safety valve	✓
<b>HITCH</b>	
Stabilizers	✓
Bracket <i>(NOT with stabilizers hitch plate)</i>	•
Stabilizers hitch plate	•
<b>CONTROLS</b>	
Classic	✓
Easy-tronic	•
Smart-tronic out of production from the 31/12/2022	•
<b>NEW</b> Smart-tronic V2.1 available starting from the 1/1/2023	•





✓ STANDARD EQUIPMENT | • OPTIONAL EQUIPMENT | - NOT AVAILABLE

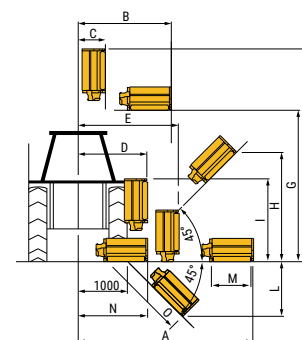
DIRECT TRANSMISSION

CUTTING HEAD	80	105	125
			
<b>MODELS</b>			
510	•	✓	•

BELTS TRANSMISSION

CUTTING HEAD	105	125
		
<b>MODELS</b>		
535	•	•

WORKING WIDTH



cm	510P
A	510 cm / 201"
B	260 cm / 102"
C	265 cm / 104"
D	148 cm / 58"
E	126 cm / 49"
F	565 cm / 222"
G	458 cm / 180"
H	340 cm / 134"
I	216 cm / 85"
L	220 cm / 87"
M	125 cm / 49"
N	195 cm / 77"
O	310 cm / 122"

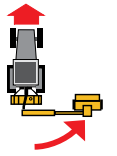


# VIGNA TELESCOPIC

615

COMPASS

80 - 120 HP



MODEL	m	hp/kW	m	m	kg	CAT.	rpm / min
615	2200 kg / 4850 lbs	45 HP / 33,5 kW	170 cm / 67"	615 cm / 242"	820 kg / 1808 lbs	II	540 3110



<b>VIGNA TELESCOPIC</b>		<b>615</b>
<b>MACHINE</b>		
Recommended use / till - hours/year		400
2° Arm ending and joint group in cast iron		✓
<b>HYDRAULIC SYSTEM</b>		
Oil tank capacity		155 lt
Arm movements oil flow rate		15 lt/min a 180 bar
Cutting head oil flow rate		84 lt/min a 180 bar
Hp / kW head rotor		50 HP / 37,5kW
7 kW oil-cooler with thermostat		•
Manual hydropneumatic head suspension		•
Electric vertical floating on the first arm (suspension by a nitrogen accumulator) <i>(only with Easy-tronic command)</i>		•
<b>TRANSMISSION</b>		
Hydraulic motor		Cast iron Gr. 3
Hydraulic pumps		Alloy Gr. 3
Multiplier		Alloy
Cardan shaft 5x700		✓
<b>SAFETY</b>		
105° hydraulic rotation with safety valve		✓
<b>HITCH</b>		
Stabilizers		✓
Bracket (NOT with stabilizers hitch plate)		•
Stabilizers hitch plate		•
<b>CONTROLS</b>		
Classic		✓
Easy-tronic		•



✓ STANDARD EQUIPMENT | • OPTIONAL EQUIPMENT | - NOT AVAILABLE

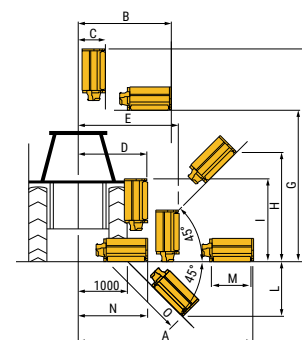
DIRECT TRANSMISSION

CUTTING HEAD	80	105	125
<b>MODELS</b>			
615	•	✓	•

BELTS TRANSMISSION

CUTTING HEAD	105	125
<b>MODELS</b>		
615	•	•

WORKING WIDTH



cm	<b>615</b>
A	615 cm / 242"
B	495 cm / 195"
C	280 cm / 110"
D	230 cm / 90"
E	150 cm / 103"
F	540 cm / 212"
G	295 cm / 116"
H	460 cm / 181"
I	230 cm / 90"
L	275 cm / 108"
M	105 cm / 41"
N	210 cm / 83"
O	390 cm / 153"



# LEADER









505 | 655 | 705-T

**COMPASS**



85 - 125 HP





MODEL	 	 hp/kW				 CAT.	 rpm / min
505	2500 kg / 5511 lbs	50HP/37,5 kW	200 cm / 79"	508 cm / 200"	1100kg / 2425 lbs	II	540 3110
655	3500 kg / 7716 lbs	50HP/37,5 kW	200 cm / 79"	602 cm / 237"	1170kg / 2579 lbs	II	540 3110
705-T	3800 kg / 8277 lbs	50HP/37,5 kW	200 cm / 79"	690 cm / 272"	1270kg / 2800 lbs	II	540 3110





LEADER	505	655	705-T
<b>MACHINE</b>			
Recommended use / till - hours/year	700	700	700
Cast iron main frame and column <b>(A.)</b>	✓	✓	✓
Arms in Strenx 700	-	-	✓
Main joint in cast iron	✓	✓	✓
Bumper with lights a led	✓	✓	✓
<b>HYDRAULIC SYSTEM</b>			
Oil tank capacity	155 lt	155 lt	155 lt
Arm movements oil flow rate	25 lt/min a 180 bar	25 lt/min a 180 bar	25 lt/min a 180 bar
Cutting head oil flow rate	85 lt/min a 200 bar	85 lt/min a 200 bar	85 lt/min a 200 bar
Hp / kW head rotor	50 HP / 37,5 kW	50 HP / 37,5 kW	50 HP / 37,5 kW
10 kW oil cooler with auto-reverse fan with automatic variable speed and integrated by-pass valve	✓	✓	✓
Manual hydropneumatic head suspension			
Electric vertical floating on the first arm (suspension by a nitrogen accumulator) <b>(only with Easy-tronic and Smart-tronic command)</b>	•	•	•
<b>TRANSMISSION</b>			
Hydraulic motor	Cast iron Gr. 3	Cast iron Gr. 3	Cast iron Gr. 3
Hydraulic pumps	Cast iron Gr. 3	Cast iron Gr. 3	Cast iron Gr. 3
Multiplier	Alloy	Alloy	Alloy
Cardan shaft 5x700	✓	✓	✓
<b>SAFETY</b>			
105° hydraulic rotation with safety valve <b>(B.)</b>	✓	✓	✓
<b>HITCH</b>			
Stabilizers	✓	✓	✓
Bracket (NOT with stabilizers hitch plate)	•	•	•
Stabilizers hitch plate	•	•	•
Fix mounted frame <b>RAPID LINK</b>	•	•	•
<b>CONTROLS</b>			
Classic	✓	✓	✓
Easy-tronic	•	•	•
Smart-tronic out of production from the 31/12/2022	•	•	•
<b>NEW Smart-tronic V2.1</b> available starting from the 1/1/2023	•	•	•



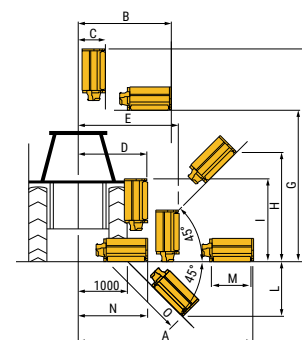
DIRECT TRANSMISSION

CUTTING HEAD	80	105	125
			
<b>MODELS</b>			
505	•	✓	•
655	•	✓	•
705-T	•	✓	•

BELTS TRANSMISSION

CUTTING HEAD	105	125
		
<b>MODELS</b>		
505	•	•
655	•	•
705-T	•	•

WORKING WIDTH



cm / inch	505	505	705-T
<b>A</b>	508 cm / 200"	602 cm / 237"	682 cm / 268"
<b>B</b>	192 cm / 76"	210 cm / 83"	271 cm / 107"
<b>C</b>	152 cm / 60"	148 cm / 58"	119 cm / 47"
<b>D</b>	140 cm / 55"	144 cm / 57"	165 cm / 65"
<b>E</b>	150 cm / 59"	150 cm / 59"	170 cm / 67"
<b>F</b>	492 cm / 194"	586 cm / 231"	724 cm / 285"
<b>G</b>	376 cm / 148"	454 cm / 179"	382 cm / 150"
<b>H</b>	324 cm / 128"	391 cm / 154"	475 cm / 187"
<b>I</b>	150 cm / 103"	163 cm / 64"	226 cm / 89"
<b>L</b>	262 cm / 55"	275 cm / 108"	388 cm / 153"
<b>M</b>	105 cm / 41"	125 cm / 49"	125 cm / 49"
<b>N</b>	212 cm / 84"	227 cm / 89"	244 cm / 96"
<b>O</b>	370 cm / 146"	390 cm / 154"	551 cm / 217"





## DITCH CLEANER

ON ALL MODELS

Ditch cutter, ideal for the maintenance and cleaning of ditches, also perfect for mud-removal.



MODEL	max Ø	
Ø 50 cm	50 cm / 20"	130 kg / 186 lbs
Ø 65 cm	65 cm / 26"	190 kg / 418 lbs
Ø 80 cm	80 cm / 32"	230 kg / 507 lbs



 FLOW DIVIDER SUGGESTED ON HYDRAULIC SYSTEMS WITH FLOW RATE:  
 > 90 lt/min Ø 50 cm (20") / Ø 65 cm (25")  
 > 120 lt/min Ø 80 cm (31")

## BRANCH CUTTER


ON ALL MODELS

A high-performance branch-cutter, fully built in HARDOX®. Ideal if you want to prune trees, hedges, bushes etc., in particular for those with a high trunk. Up to 10 cm / 4" of cutting Ø.



MODEL	max Ø 	←→	
155 HARDOX	10 cm / 4"	155 cm / 61"	200 kg / 441 lbs
225 HARDOX	10 cm / 4"	225 cm / 87"	230 kg / 507 lbs

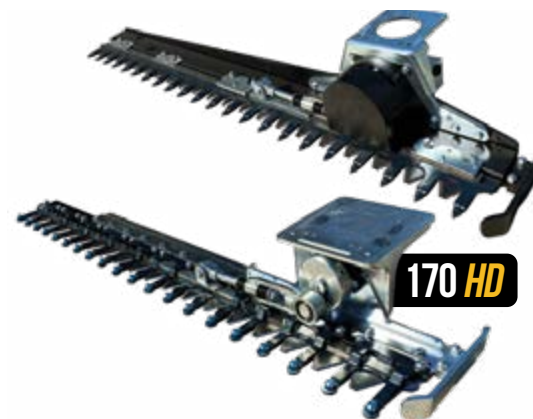
NO on machines with piston system



 FLOW DIVIDER SUGGESTED ON HYDRAULIC SYSTEMS WITH FLOW RATE:  
 > 60 lt/min


## HEDGE BAR

ON ALL MODELS

deal to prune or trim hedges and bushes. Equipped with strong blades for a fine and precise cut result. It can cut up to 5 cm / 2".



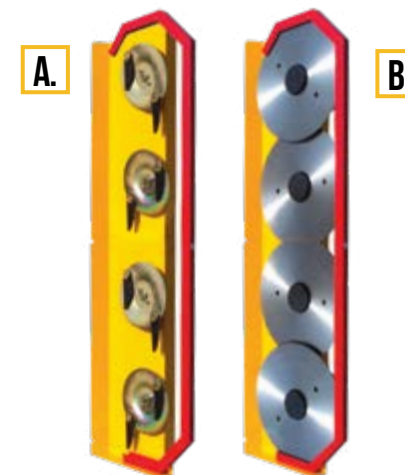
MODEL	max Ø 	←→	
125 cm	3 cm / 1,2"	125 cm / 49"	46 kg / 101 lbs
166 cm	3 cm / 1,2"	166 cm / 65"	58 kg / 128 lbs
200 cm	3 cm / 1,2"	200 cm / 79"	68 kg / 150 lbs
HD 170 cm	5 cm / 2"	170 cm / 67"	68 kg / 150 lbs



 FLOW DIVIDER SUGGESTED ON HYDRAULIC SYSTEMS WITH FLOW RATE:  
 > 40 lt/min

## DISC CUTTING BAR


ON ALL MODELS

Rotary hedge cutter with discs or blades. Ideal to regularly prune little green areas. Light and practical.




MODEL	max Ø 	←→	
A. 165	2 cm / 0,8"	165 cm / 65"	150 kg / 331 lbs
B. 165 optional	4 cm / 1,6"	165 cm / 65"	150 kg / 331 lbs

NO on machines with piston system

 FLOW DIVIDER SUGGESTED ON HYDRAULIC SYSTEMS WITH FLOW RATE:  
 > 40 lt/min



 The boom mower MUST BE EQUIPPED WITH AN ATTACHEMENT in order to be supplied (cutting head or any other attachment among the ones offered for the gamma).



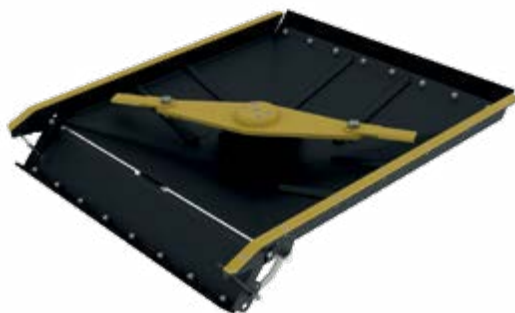
# TOPPER PFC 105

NO HEDGE / CUT REVERS / VIGNA TELESCOPIC

Rotary head with rotating blades, for cutting grass, shrubs, hedges and vegetation with diameters up to 5 cm/2". Designed for an excellent fine cut. This not only ensures a fine finish, but also retains most of the debris within the hedge for healthy growth and a tidy finish when used in this kind of job. Features and benefits: extremely durable, hydraulic front hood equally adept at cutting grass and hedges.



MODEL	max Ø	↔	
105	5 cm / 2"	105 cm / 41"	140÷150 kg 309÷331 lbs



# SNOW BLOWER

MODEL ONLY LEADER

Snow clearing machine, ideal for removing large quantities of snow, in conditions of high snowfall.



MODEL	↔	
100 cm	100 cm / 40"	270 / 310 kg 595 / 683 lbs



\* Rotary Heads are not compatible with telescopic arm machines.





*« The first Orsi Mulcher was purchased by my family about 25 years ago. The main quality we were looking for was reliability and performance of the machines in very difficult field conditions. The ORSI machines we have had are as reliable as possible, and have always done the work in the fields very well and importantly, we are extremely happy with the service. »*

Azienda Agricola Boselli  
Daniele e Filippo (BOLOGNA) Italia



**ORSI GROUP S.R.L.**

Via S. Andrea, 2A  
Mascarino di Castello d'Argile  
40050 / BOLOGNA / ITALY  
Ph. +39 051 6867072  
Fax +39 051 6867104

[info@orsigroup.it](mailto:info@orsigroup.it)  
[www.orsigroup.it](http://www.orsigroup.it)