

Гидравлические и манипуляторные косилки

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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.



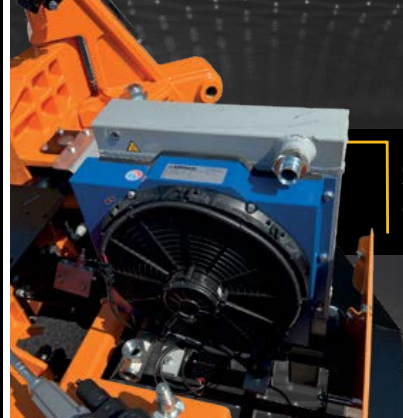
SINGLE MOVEMENTS

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)

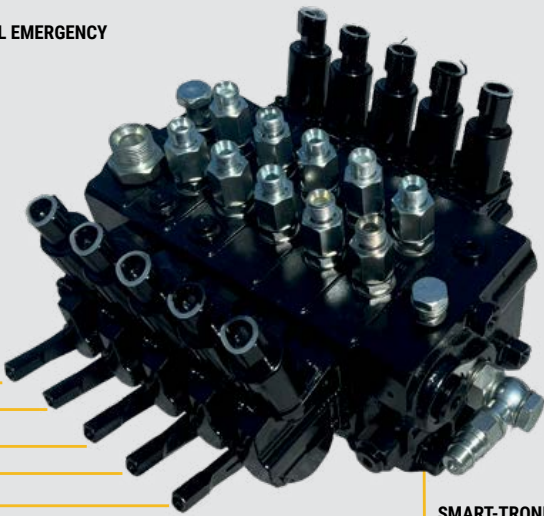


CAST-IRON GEARBOX



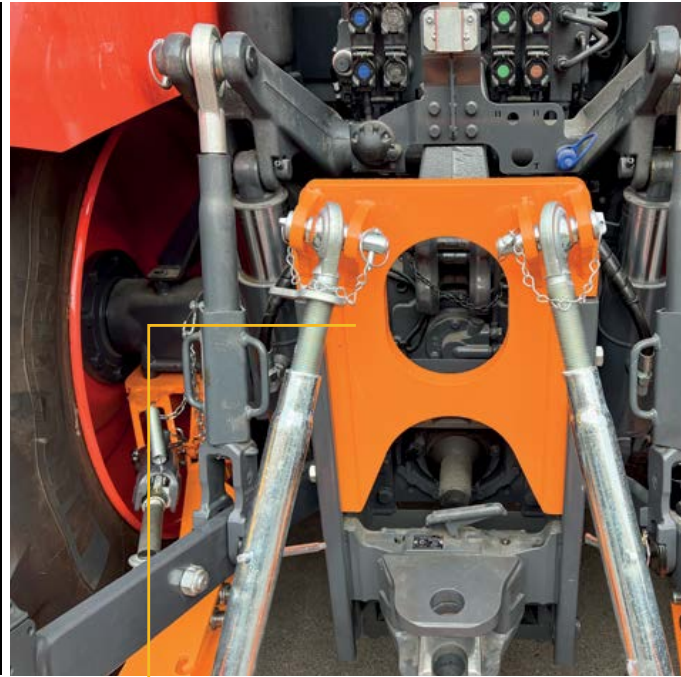
FILTERING SYSTEM TO PROTECT HYDRAULIC COMPONENTS

MANUAL EMERGENCY LEVERS



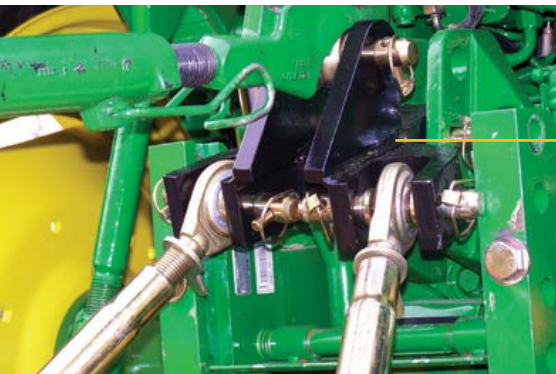
SMART-TRONIC, ELECTRO PROPORTIONAL AND COMPENSATED MONOBLOCK VALVE

TRACTOR ATTACHMENTS



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.

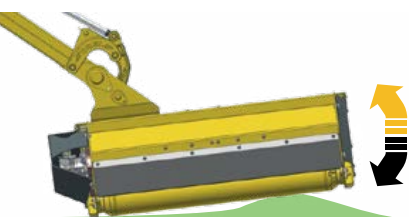


BRACKET *(optional)*

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

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.

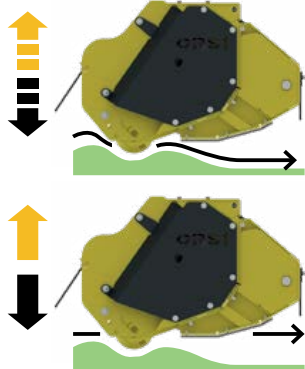
Available on every Orsi Group Reach Mower.





***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.



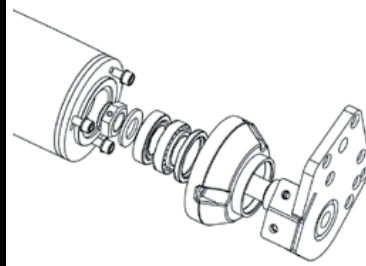
WHY WE USE STRENX?

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.



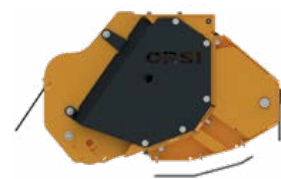
BELTS TRANSMISSION

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.

CUTTING HEAD <i>AGRI</i>	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 <i>GARDENING</i>		
Oscillating bearings with double rows of balls	✓	-
Head rotation	✓	-
Double rotation of the rotor	✓	-
Side skids on head	•	•



REAR ROLLER ADJUSTABLE IN HEIGHT



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

CUTTING HEADS

ROTOR / TOOLS



PD REAR MOUNTED



PS MOUNTING ON TOP

TOOLS

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

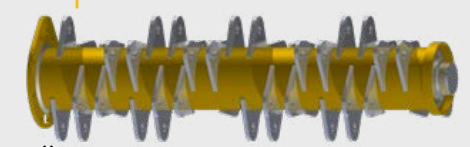
GARDENING

DIRECT TRANSMISSION



ROTOR

MULTI-KNIFE ROTOR



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

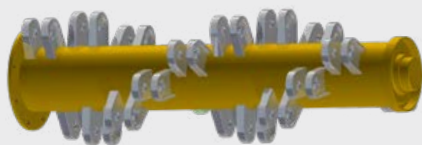
AGRI PD

BELTS TRANSMISSION



MULTI-KNIFE ROTOR

A: $\emptyset 102 \times 12,5 \text{ mm}$
A: $\emptyset 4" \times 0,5"$



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



D

E

F

N

O

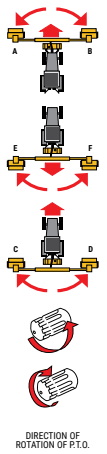


CUT REVERS

029 | 030

COMPASS

16 - 35 HP



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






MODEL	rpm	hp/kW	mm	mm	mm	CAT.	rpm/min	rpm/min
029	800 kg / 1763 lbs	16 hp / 12 kW	100 cm / 39"	313 cm / 123"	310 kg / 683 lbs	I	540	1000* 3350
029 SX	800 kg / 1763 lbs	16 hp / 12 kW	100 cm / 39"	313 cm / 123"	310 kg / 683 lbs	I	540	1000* 3350
030	800 kg / 1763 lbs	16 hp / 12 kW	100 cm / 39"	315 cm / 124"	310 kg / 683 lbs	I	540	1000* 3350
030 SX	800 kg / 1763 lbs	16 hp / 12 kW	100 cm / 39"	315 cm / 124"	310 kg / 683 lbs	I	540	1000* 3350

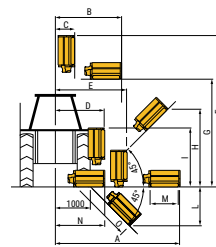
* with frontal hitch

CUT REVERS	029 / 029 SX	030 / 030 SX
HYDRAULIC SYSTEM		
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	•	•
TRANSMISSION		
Hydraulic motor	Alloy Gr. 2	Alloy Gr. 2
Hydraulic pumps	Alloy	Alloy
Multiplier	Alloy	Alloy
SAFETY		
Safety spring on 2nd arm	✓	✓
HITCH		
Stabilizers	✓	✓
Bracket	•	•
Frontal mounted supplement price - PTO 1000 rpm	•	•
CONTROLS		
Classic	✓	✓
Easy-tronic	•	•

DIRECT TRANSMISSION

WORKING WIDTH

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



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



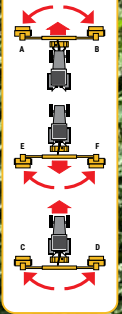
✓ STANDARD EQUIPMENT | • OPTIONAL EQUIPMENT | - NOT AVAILABLE







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		

HEGE	160
HYDRAULIC SYSTEM	
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	✓
CONTROLS	
Classic (tele flexible control with floating)	✓
Quick couplings tractors	•
Classic (tele flexible control with floating) Cable L=2000	•
Classic (tele flexible control with floating) Cable L=3000	•

(A.) PRUNING CUTTING

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

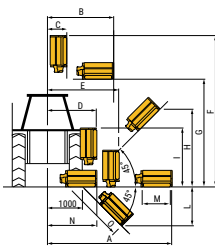
(B.) HEDGE BAR

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
MACHINE		
Recommended use / till - hours/year	250	250
2" Arm ending and joint group in cast iron	✓	✓
HYDRAULIC SYSTEM		
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>	•	•
TRANSMISSION		
Hydraulic motor	Alloy Gr. 2	Alloy Gr. 2
Hydraulic pumps	Alloy	Alloy
Multiplier	Alloy	Alloy
Cardan shaft 3x900	✓	✓
SAFETY		
Mechanical safety system	✓	✓
HITCH		
Stabilizers	✓	✓
Bracket	•	•
CONTROLS		
Classic	✓	✓
Easy-tronic	•	•

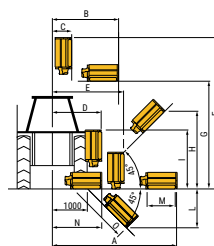


✓ STANDARD EQUIPMENT | • OPTIONAL EQUIPMENT | - NOT AVAILABLE

DIRECT TRANSMISSION

CUTTING HEAD	80	105
		
MODELS		
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 / 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 mm / 63"	446 mm / 17.5"	750 kg / 1653 lbs	II	540	3110	
500	2000 kg / 4409 lbs	45 hp / 33.5 kW	160 mm / 63"	492 mm / 19.4"	785 kg / 1730 lbs	II	540	3110	
580	2200 kg / 4850 lbs	45 hp / 33.5 kW	180 mm / 71"	580 mm / 22.8"	835 kg / 1841 lbs	II	540	3110	

RIVER COMPACT PLUS	450	500	580
MACHINE			
Recommended use / till - hours/year	400	400	400
2" Arm ending and joint group in cast iron	✓	✓	✓
Bumper with lights	•	•	•
HYDRAULIC SYSTEM			
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)	•	•	•
TRANSMISSION			
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	✓	✓	✓
SAFETY			
Mechanical safety system	✓	✓	✓
HITCH			
Stabilizers	✓	✓	✓
Bracket (NOT with stabilizers hitch plate)	•	•	•
Stabilizers hitch plate	•	•	•
CONTROLS			
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

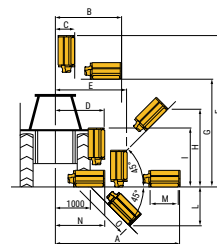
DIRECT TRANSMISSION

CUTTING HEAD	80	105	125
			
		D E F N O	
MODELS			
450	•	✓	•
500	•	✓	•
580	•	✓	•

BELTS TRANSMISSION

CUTTING HEAD	105	125
		
		D E F N O
MODELS		
450	•	•
500	•	•
580	•	•

WORKING WIDTH



cm / inch	450	500	580
A	447 cm / 176"	493 cm / 194"	583 cm / 229"
B	192 cm / 75"	200 cm / 79"	210 cm / 87"
C	120 cm / 47"	124 cm / 49"	124 cm / 49"
D	118 cm / 46"	111 cm / 44"	137 cm / 54"
E	294 cm / 116"	318 cm / 125"	302 cm / 119"
F	492 cm / 193"	537 cm / 211"	627 cm / 247"
G	288 cm / 113"	328 cm / 129"	367 cm / 144"
H	300 cm / 118"	332 cm / 131"	396 cm / 156"
I	237 cm / 93"	244 cm / 96"	216 cm / 85"
L	160 cm / 63"	179 cm / 70"	235 cm / 92"
M	105 cm / 41"	105 cm / 41"	105 cm / 41"
N	190 cm / 75"	200 cm / 79"	166 cm / 65"
O	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
MACHINE			
Recommended use / till - hours/year	400	400	400
Cast iron frame (A.)	✓	✓	✓
2" Arm ending and joint group in cast iron (B.)	✓	✓	✓
Bumper with lights	•	•	•
HYDRAULIC SYSTEM			
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) (only with smart-tronic and easy-tronic command)	•	•	•
TRANSMISSION			
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	✓	✓	✓
SAFETY			
Safety device with mechanical shock absorber on the 2nd arm (C.)	✓	✓	✓
HITCH			
Stabilizers	✓	✓	✓
Bracket (NOT with stabilizers hitch plate)	•	•	•
Stabilizers hitch plate	•	•	•
CONTROLS			
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

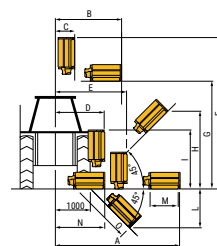
DIRECT TRANSMISSION

CUTTING HEAD	80	105	125
			
MODELS			
450	•	✓	•
500	•	✓	•
580	•	✓	•

BELTS TRANSMISSION

CUTTING HEAD	105	125
		
MODELS		
450	•	•
500	•	•
580	•	•

WORKING WIDTH



cm / inch	450	500	580
A	446 cm / 175"	492 cm / 194"	580 cm / 228"
B	255 cm / 100"	272 cm / 107"	321 cm / 126"
C	114 cm / 44,8"	114 cm / 44,8"	115 cm / 45"
D	118 cm / 46"	109 cm / 43"	138 cm / 54"
E	269 cm / 106"	291 cm / 114"	252 cm / 99"
F	452 cm / 178"	498 cm / 196"	586 cm / 231"
G	267 cm / 105"	308 cm / 121"	361 cm / 142"
H	284 cm / 112"	316 cm / 124"	378 cm / 149"
I	196 cm / 77"	205 cm / 81"	181 cm / 71"
L	205 cm / 81"	231 cm / 91"	283 cm / 111"
M	105 cm / 41"	105 cm / 41"	105 cm / 41"
N	192 cm / 75"	200 cm / 79"	186 cm / 73"
O	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 / 4180 lbs		45 hp / 33.5 kW	170 cm / 67"	455 cm / 179"	820 kg / 1800 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
MACHINE		
Recommended use / till - hours/year	400	400
2" Arm ending and joint group in cast iron	✓	✓
Led lights	•	•
HYDRAULIC SYSTEM		
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) (only with smart-tronic and easy-tronic command)	•	•
TRANSMISSION		
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	✓	✓
SAFETY		
105° hydraulic rotation with safety valve	✓	✓
HITCH		
Stabilizers	✓	✓
Bracket (NOT with stabilizers hitch plate)	•	•
Stabilizers hitch plate	•	•
CONTROLS		
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

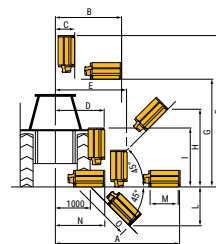
DIRECT TRANSMISSION

CUTTING HEAD	80	105	125
			
		D E F N O	
MODELS			
455	•	✓	•
535	•	✓	•

BELTS TRANSMISSION

CUTTING HEAD	105	125
		
		D E F N O
MODELS		
455	•	•
535	•	•

WORKING WIDTH



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

PERFORMANCE PARALLELOGRAM

510

PARALLELOGRAM

45 - 100 HP





MODEL		hp/kW				CAT.		rpm / min
510	2300 kg / 5070 lbs	45 HP / 33,5 kW	170 cm / 67"	510 cm / 201"	850 L / 190 US gal	II	540	3110

PERFORMANCE PARALLELOGRAM	510
MACHINE	
Recommended use / till - hours/year	400
2" Arm ending and joint group in cast iron	✓
Led lights	•
HYDRAULIC SYSTEM	
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) (only with smart-tronic and easy-tronic command)	•
TRANSMISSION	
Hydraulic motor	Cast Iron Gr. 3
Hydraulic pumps	Cast Iron Gr. 3
Multiplier	Alloy
Cardan shaft 5x1000	✓
SAFETY	
105° hydraulic rotation with safety valve	✓
HITCH	
Stabilizers	✓
Bracket (NOT with stabilizers hitch plate)	•
Stabilizers hitch plate	•
CONTROLS	
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

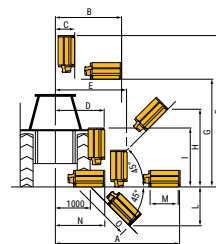
DIRECT TRANSMISSION

CUTTING HEAD	80	105	125
			
MODELS			
510	•	✓	•

BELTS TRANSMISSION

CUTTING HEAD	105	125
		
MODELS		
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	2200 kg / 5000 lbs	45 hp / 33.5 kW	170 cm / 67"	510 cm / 201"	865 kg / 1907 lbs	II	540	3110

PERFORMANCE PARALLELOGRAM VISUAL	510
MACHINE	
Recommended use / till - hours/year	400
2" Arm ending and joint group in cast iron	✓
Led lights	•
HYDRAULIC SYSTEM	
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) (only with smart-tronic and easy-tronic command)	•
TRANSMISSION	
Hydraulic motor	Cast Iron Gr. 3
Hydraulic pumps	Cast Iron Gr. 3
Multiplier	Alloy
Cardan shaft 5x1000	✓
SAFETY	
105° hydraulic rotation with safety valve	✓
HITCH	
Stabilizers	✓
Bracket (NOT with stabilizers hitch plate)	•
Stabilizers hitch plate	•
CONTROLS	
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

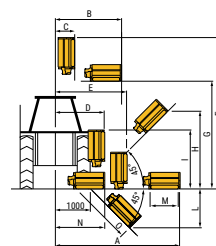
DIRECT TRANSMISSION

CUTTING HEAD	80	105	125
			
			
MODELS			
510	•	✓	•

BELT'S TRANSMISSION

CUTTING HEAD	105	125
		
		
MODELS		
535	•	•

WORKING WIDTH



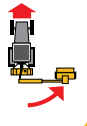
cm	510P
A	510 cm / 201"
B	260 cm / 102"
C	265 cm / 104"
D	148 cm / 58"
E	126 cm / 49"
F	565 cm / 222"
G	458 cm / 180"
H	340 cm / 134"
I	216 cm / 85"
L	220 cm / 87"
M	125 cm / 49"
N	195 cm / 77"
O	310 cm / 122"

VIGNA TELESCOPIC

615

COMPASS

80 - 120 HP



MODEL			hp/kW				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	

VIGNA TELESCOPIC	615
MACHINE	
Recommended use / till - hours/year	400
2" Arm ending and joint group in cast iron	✓
HYDRAULIC SYSTEM	
Oil tank capacity	155 lt
Arm movements oil flow rate	15 lt/min @ 180 bar
Cutting head oil flow rate	84 lt/min @ 180 bar
Hp / kW head rotor	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 command)	•
TRANSMISSION	
Hydraulic motor	Cast iron Gr. 3
Hydraulic pumps	Alloy Gr. 3
Multiplier	Alloy
Cardan shaft 5x700	✓
SAFETY	
105° hydraulic rotation with safety valve	✓
HITCH	
Stabilizers	✓
Bracket (NOT with stabilizers hitch plate)	•
Stabilizers hitch plate	•
CONTROLS	
Classic	✓
Easy-tronic	•







✓ STANDARD EQUIPMENT | • OPTIONAL EQUIPMENT | - NOT AVAILABLE

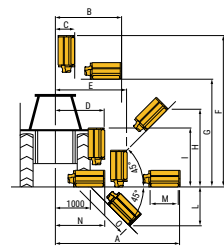
DIRECT TRANSMISSION

BELTS TRANSMISSION

WORKING WIDTH

CUTTING HEAD	80	105	125
			
		D E F N O	
MODELS			
615	•	✓	•

CUTTING HEAD	105	125
		
		D E F N O
MODELS		
615	•	•



cm	615
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"

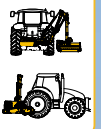
LEADER

505 | 655 | 705-T

COMPASS

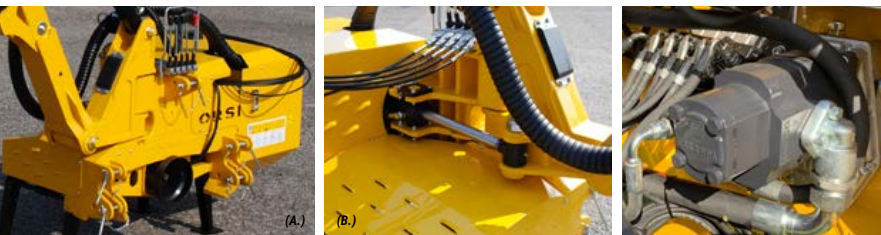


85 - 125 HP





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

LEADER	505	655	705-T
MACHINE			
Recommended use / till - hours/year	700	700	700
Cast iron main frame and column (A.)	✓	✓	✓
Arms in Strenx 700	-	-	✓
Main joint in cast iron	✓	✓	✓
Bumper with lights a led	✓	✓	✓
HYDRAULIC SYSTEM			
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) (only with Easy-tronic and Smart-tronic command)	•	•	•
TRANSMISSION			
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	✓	✓	✓
SAFETY			
105° hydraulic rotation with safety valve (B.)	✓	✓	✓
HITCH			
Stabilizers	✓	✓	✓
Bracket (NOT with stabilizers hitch plate)	•	•	•
Stabilizers hitch plate	•	•	•
Fix mounted frame RAPID LINK	•	•	•
CONTROLS			
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

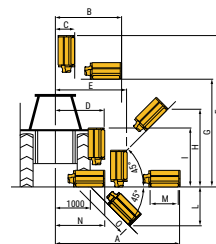
DIRECT TRANSMISSION

CUTTING HEAD	80	105	125
			
MODELS			
505	•	✓	•
655	•	✓	•
705-T	•	✓	•

BELTS TRANSMISSION

CUTTING HEAD	105	125
		
MODELS		
505	•	•
655	•	•
705-T	•	•

WORKING WIDTH



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



HARDOX
IN THE BODY

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 l/min Ø 50 cm (20") / Ø 65 cm (25")
> 120 l/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.



HARDOX
IN THE BODY

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

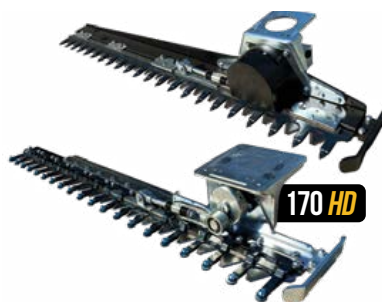
NO on machines with piston system



 FLOW DIVIDER SUGGESTED ON HYDRAULIC SYSTEMS WITH FLOW RATE:
> 60 l/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".



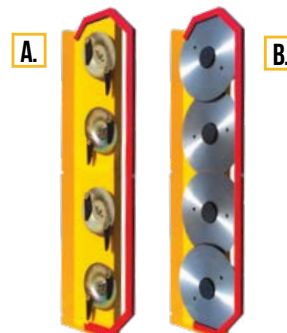
MODEL	max Ø		
125 cm	3 cm / 1,2"	125 cm / 49"	46 kg / 101 lbs
166 cm	3 cm / 1,2"	166 cm / 65"	58 kg / 128 lbs
200 cm	3 cm / 1,2"	200 cm / 79"	68 kg / 150 lbs
HD 170 cm	5 cm / 2"	170 cm / 67"	68 kg / 150 lbs



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



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

По вопросам продаж и поддержки обращайтесь:

Алматы (7273)495-231
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
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Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Пермь (342)205-81-47
Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Саранск (8342)22-96-24
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35

Сыктывкар (8212)25-95-17
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Тула (4872)33-79-87
Тюмень (3452)66-21-18
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