



TRAILED FORAGE HARVESTER FOR ENERGY CROPS



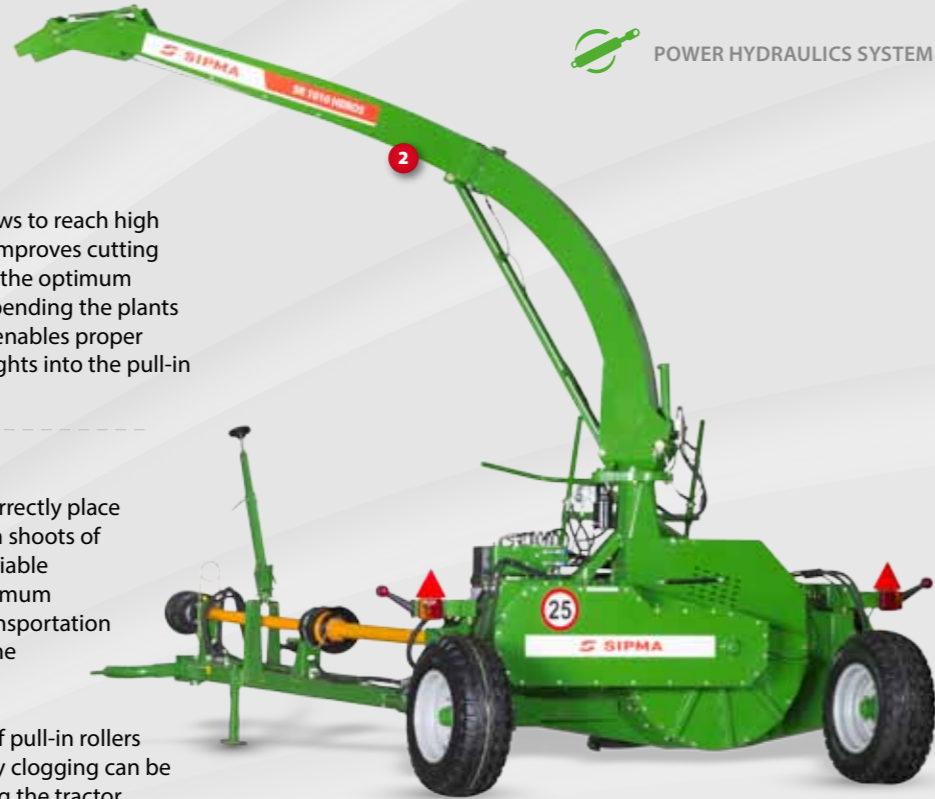
SIPMA SR 1010 HEROS

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TRAILED FORAGE HARVESTER FOR ENERGY CROPS

SIPMA SR 1010 HEROS

SIPMA SR 1010 HEROS trailed forage harvester is designed for single phase harvesting of energy crops, mainly energy willow.



POWER HYDRAULICS SYSTEM

Cutting unit ¹

equipped with hydraulic drive of saws allows to reach high rotational speed of cutting blades, which improves cutting down the sprouts of energy crops, leaving the optimum rootstock for regrowth of plants. The arm bending the plants is adjustable from the tractor cabin and it enables proper orientation the shoots with different heights into the pull-in unit.

Compressing and pull-in unit

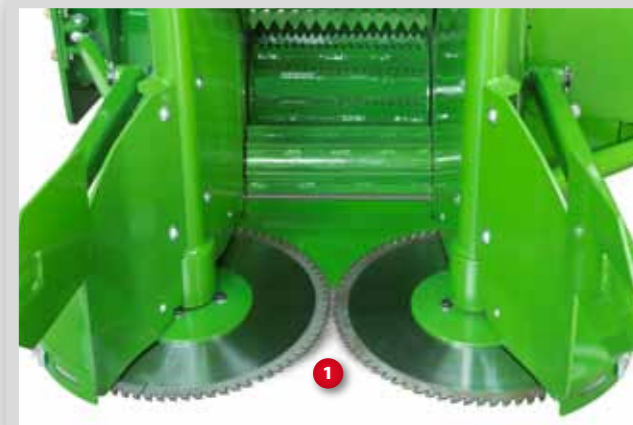
consists of 5 ribbed rollers. It enables to correctly place and feed the chopping rotor chamber with shoots of energy crops. Mechanical pressure and variable clearance between the rollers ensures optimum compression of cut shoots and reliable transportation of crops. Power take-off shafts that drive the pull-in rollers are equipped with safety couplings, which reduce excessive load on the machine. As the direction of rotation of pull-in rollers can be changed from the operator cab, any clogging can be removed from the machine without leaving the tractor.

Chopping rotor

which at the same time acts as a flywheel, is equipped with cutting blades. At the rim of the rotor there are blades mounted, which provide quick and effective feed of shredded material onto means of transport.

Discharge chute ²

enables effective feeding of shredded material onto means of transport with the ability to set the direction and distance of crop chips discharge.



Built-in blade sharpening system

allows for easy-to-use and accurate sharpening of blades, providing even edges. During grinding, the rotor revolves with low speed and grinding wheel easily sharpens the blades, which quickly become sharp again.

Power transmission system

with a belt gearing enables adjustment of length of the cut shoots of energy crops ranging from 20 to 55 mm and reduces the risk of damage to the machine during the momentary overloads. The entire power transmission system of the forage harvester is protected against overload with friction coupling mounted on the main power take-off shaft.

Extension of the discharge chute (additional equipment)

allows to deliver the shredded material for greater distances.

Elevation of the discharge chute (additional equipment)

allows to load the shredded material on higher means of transport.



Rear hitch (additional equipment)

allows you to couple the trailer to the harvester in order to load the shredded material when it is not possible to for the means of transport to go past the harvester.

Hydraulically controlled suspension ³

allows you to adjust the height of crop cutting to the field conditions and provides proper road clearance during transportation.

Hydraulically adjustable drawbar ⁴

allows for correct setting of the machine and tractor in interrows, reducing the risk of damage to the rootstock and machine wheels to the minimum.

Hydraulic system ⁵

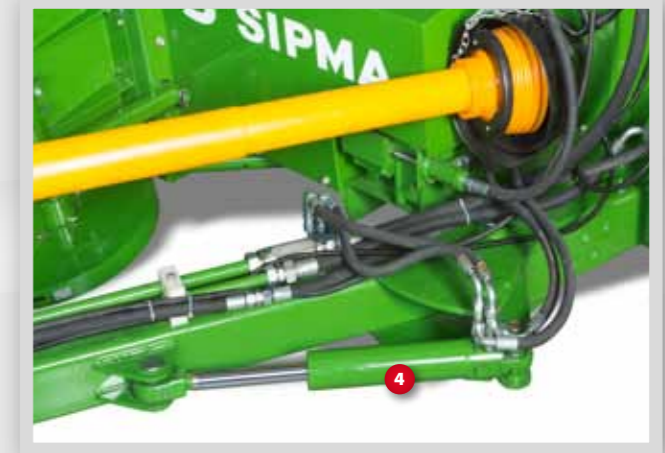
with electro-hydraulic block that operates all working items of the machine, consistent and optimum machine functions are provided, including smooth acceleration and stopping of the cutting unit.

Hydraulic folding mechanism of the discharge chute ⁶

allows the machine to travel on public roads.

Electronic control ⁷

allows to adjust the functions of the machine from the operator's seat, without leaving the tractor.



Functions of the electronic controller:

- activating the cutting unit;
- activating the reverse of the pull-in and compression unit;
- adjustment of the bending arm height;
- control of the discharge chute;
- adjustment of cutting height;
- drawbar control.





MODEL		SR 1010 HEROS
Number of rows / row spacing	pcs./m	1 / 0,75
Bulk discharge capacity	t/h	15
Number of cutting blades	pcs.	2
Diameter of cutting blades	mm	450
Cutting height	mm	50 - 120
Maximum diameter of cut shoots	mm	70
Height of cut shoots	mm	9000
Chopping unit		disc and axe
Number of blades	pcs.	4
Cutting length	mm	20 - 55
Max. height of discharge	m	5
Max. distance of discharge	m	10
Control system		electronic
Wheel size		10.0 / 75 - 15.3 10 PR
PTO rotation speed	rpm	540
Maximum working speed	km/h	8
Maximum transport speed	km/h	25
Power demand	kW (HP)	80 (108,8)
Equipment		
wide angle PTO shaft with friction clutch		●
extension of the discharge chute		○
elevation of the discharge chute		○
rear hitch		○
Dimensions		
length	mm	5000
width	mm	2650
height	mm	2350
loading height	mm	3880
Weight	kg	1500

● – standard, ○ – additional equipment, × – unavailable



2 YEARS WARRANTY



PTO SHAFT INCLUDED IN PRICE

SIPMA

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