



RAKES



SIPMA ZK 350 WIR
SIPMA ZK 450 WIR
SIPMA ZK 455 WIR

SIPMA ZK 650 WIR
SIPMA ZK 720 SPINNER

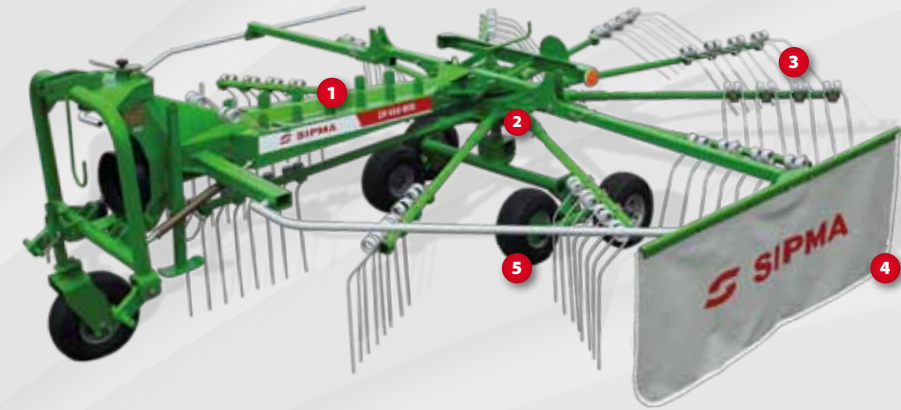
Raking swaths is a very important element of the entire process of harvesting and conservation of green forage. Using rakes ensures obtaining a suitable quality of forage, does not damage fragile parts of grass, does not decrease their nutritional value and it significantly influences the efficiency and quality of working with the next machines in the technological line - round balers.

RAKES SIPMA ZK 350 WIR ▪ SIPMA ZK 450 WIR



WORKING WIDTH 3,5 m / 4,5 m

FEELER WHEEL (SIPMA ZK 450 WIR)



Rakes SIPMA ZK 350 WIR and SIPMA ZK 450 WIR

are designed to rake green fodder, dried green fodder, hay and straw.

Welded body 1

with articulated fitting of the front frame allows mounting the rake on the tractor three-point linkage and ensures comfortable operation and excellent tracking of the terrain.

Oil transmission 2

ensures long-lasting and reliable operation.

Raking arms 3

with three double tines (SIPMA ZK 350 WIR) or four double tines (SIPMA ZK 450 WIR) ensure efficient raking of forage as well as uniform and permeable swaths.

Tine loss protections (additional equipment)

prevent from loss of tines when they crack.

Adjustable screen 4

allows to set the appropriate width of the formed swaths.

Easily accessible crank

enables the stepless adjustment of the height of the raking tines from the ground.

Wide tires 5

ensures easy and comfortable work.

Transport position 6

facilitates comfortable transport and storage of the rake. Readjustment of the rake into the transport position (without the need of using any tools) is possible due to foldable raking arms and lifted safety guards.

Tandem-type chassis

prevents contamination of the forage with soil and quick wear of the tines as well as ensures accurate raking of the material. This solution is especially recommended in fields with local inequalities.

Additional height adjustment

(SIPMA ZK 450 WIR) of the tandem-type chassis allows more accurate set up of the rake's operation height.

Feeler wheel

(SIPMA ZK 450 WIR) ensures the best mapping of the area, pure raking in difficult work conditions and it improves driving of the machine. It's perfect for irregular surfaces - tines of rake don't have any contact with the ground, they less wear and tear and they maintain a longer life.



RAKE SIPMA ZK 455 WIR



WORKING WIDTH 4,5 m

FEELER WHEEL

TRAILED VERSION



Rake SIPMA ZK 455 WIR

is designed for raking green forage, dried green forage, straw and hay. Designed to work at small and medium-sized farms. Characterized by a low power requirement. Lifting for transport is done hydraulically by hydraulic cylinders mounted on the drawbar and chassis.

Oil transmission

ensures long-lasting and reliable operation.

Wide tires

ensures easy and comfortable work.

Transport position

facilitates comfortable transport and storage of the rake. Readjustment of the rake into the transport position (without the need of using any tools) is possible due to foldable raking arms and lifted safety guards.

Raking arms

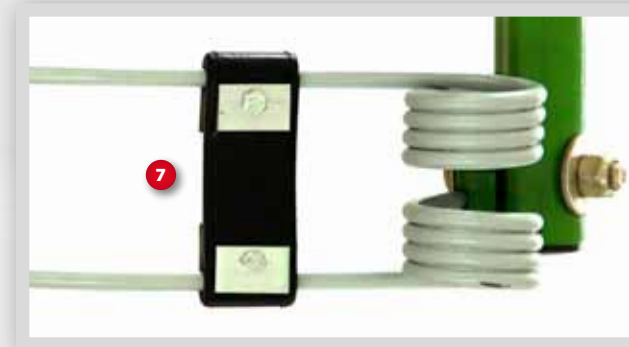
with four double tines ensure efficient raking of forage as well as uniform and permeable swaths.

Adjustable screen

allows to set the appropriate width of the formed swaths.

Feeler wheel

ensures the best mapping of the area, pure raking in difficult work conditions and it improves driving of the machine. It's perfect for irregular surfaces - tines of rake don't have any contact with the ground, they less wear and tear and they maintain a longer life.

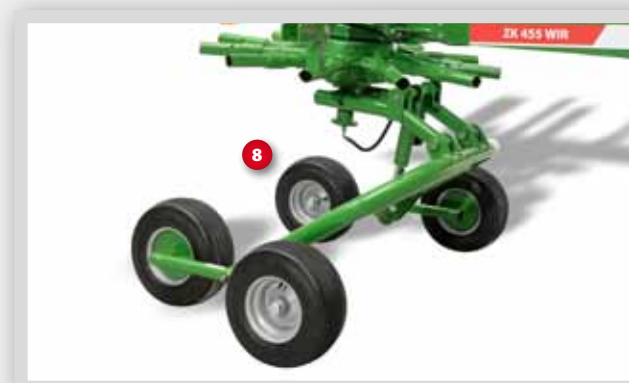


Tine loss protections (additional equipment) 7

prevent from loss of tines when they crack.

Tandem-type chassis 8

prevents contamination of the forage with soil and quick wear of the tines as well as ensures accurate raking of the material. This solution is especially recommended in fields with local inequalities.



RAKE SIPMA ZK 650 WIR



WORKING WIDTH 6,5 - 7,2 m

HYDRAULIC FOLDING OF THE RAKE



Rake SIPMA ZK 650 WIR

is designed to rake the green fodder, dried green fodder, straw and hay. It has two rotors with inside layering of the forage.

Working width

is adjusted hydraulically from 6.5 to 7.2 m and allows for setting the desired width of swaths.

Easily accessible crank

enables the stepless adjustment of the height of the raking tines from the ground.

Welded body

with articulated fitting of the front frame allows mounting the rake on the tractor three-point linkage and ensures comfortable operation and excellent tracking of the terrain.

Raking arms

2 x 11 pieces with 3 double raking fingers each, ensure effective raking and even arrangement and airy swaths.

Tine loss protections (additional equipment)

prevent from loss of tines when they crack.

4-wheel chassis

with front rotational wheels ensure smooth running and exact tracking of the terrain.

Rear twist-beam axis 9

connected by a tie rod with the articulated front frame ensures comfortable operation at headlands.

Hydraulic rake folding 10

into the transport position, up to the width of 2.4m and height lower than 4 m facilitates transport on public roads.



Three-dimensional terrain tracking

allows for very clean collection of the raked material.

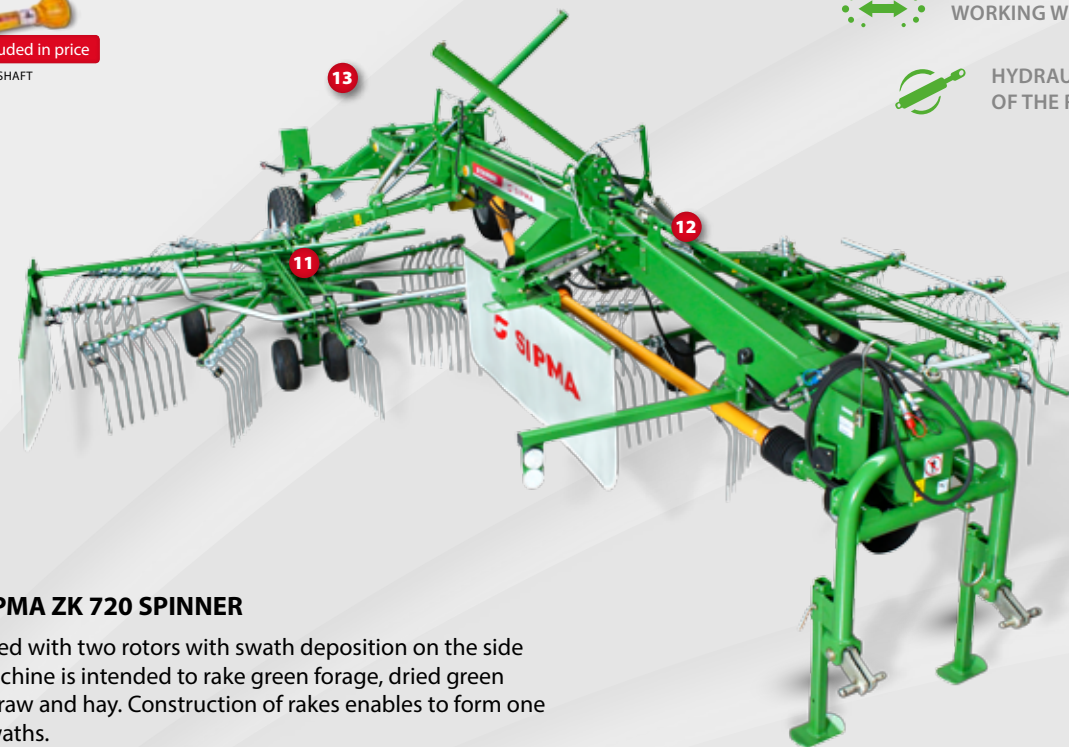
Oil transmission 11

ensures long-lasting and reliable operation.



RAKE SIPMA ZK 720 SPINNER

NEW PRODUCT



WORKING WIDTH 6,5 - 7,2 m

HYDRAULIC FOLDING OF THE RAKE

Rake SIPMA ZK 720 SPINNER

is equipped with two rotors with swath deposition on the side of the machine is intended to rake green forage, dried green forage, straw and hay. Construction of rakes enables to form one or two swaths.

Working width

6.5 m in case of single swath disposal or 7.2 m in case of two swath disposal, with hydraulic adjusting of rotors.

Raking arms

2 x 11 pieces with 4 double raking fingers each, ensure effective raking of the swath and the arrangement of flat surfaces and airy swaths.

4-wheel chassis ¹¹

with front rotational wheels ensure smooth running and exact tracking of the terrain.

Easily accessible crank

enables the stepless adjustment of the height of the raking tines from the ground.

Hydraulic raking height adjustment (additional equipment)

allows to adjust the height of the raking tines without leaving the tractor.

Support frame ¹²

from closed and bent metal profiles ensures high durability and reliability during everyday exploitation. Along with front frame enable mounting rakes on tractor three-point linkage and ensure unparalleled working comfort and perfect ground following.

3D ground following

ensures really clean collection of raked material.

Rear steering axle ¹³

connected by rods to the articulated front frame, it ensures comfortable work at headlands.

Spring-based rotors support

enables to set optimal pressure of rotors to the ground.

Oil transmission ¹⁴

ensures long-lasting and reliable operation.

Hydraulic rake folding

into the transport position, up to the width of 2.83 m and height of 4 m facilitates transport on public roads without necessity to dismantling raking arms.

Tine loss protections

prevent from loss of tines when they crack.



MODEL		ZK 350 WIR	ZK 450 WIR	ZK 455 WIR	ZK 650 WIR	ZK 720 SPINNER
Aggregation method		mounted	mounted	trailed	trailed	trailed
Working width	mm	3500	4500	4500	6500 - 7200	6500 - 7200
Raking bank width	mm	600 - 1400	800 - 1600	800 - 1600	800 - 1800	800 - 1500
Number of rotors	pcs.	1	1	1	2	2
Diameter of rotors	mm	2625	3500	3500	2950	3160
Number of raking arms	pcs.	9	11	11	11	11
Number of tines on raking arm	pcs.	3	4	4	3	4
Wheel size		×	×	16 x 6.50 - 8	11,5 / 80 - 15,3	11,5 / 80 - 15,3
Rake set wheel size		15 x 6.00 - 6	15 x 6.00 - 6	16 x 6.50 - 8	15 x 6.00 - 6	15 x 6.00 - 6
Maximum speed	km/h	10	10	10	10	10
Power demand	kW (HP)	25,5 (35)	25,5 (35)	22 (30)	50 (68)	52 (70)
Equipment						
PTO shaft		●	●	●	●	●
tandem-type chassis		●	●	●	●	●
feeler wheel		×	●	●	×	×
tine loss protections		○	○	○	○	●
Dimensions in working position						
length	mm	3210	4200	5220	4800	7990
width	mm	3500	4500	4500	6950 - 7650	6500 - 7400
height	mm	1110	1200	1110	1400	2540
Dimensions in working position						
length	mm	3210	4200	3990	4800	7990
width	mm	1370	1620	1730	2400	2830
height without rakes	mm	1200	1280	1680	3280	3150
height width rakes	mm	1750	2200	2640	4000	4000
Weight	kg	397	530	650	1500	2150

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



2 YEARS WARRANTY



PTO SHAFT INCLUDED IN PRICE

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Stamp of SIPMA Dealer

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