

התעשייה



**GENERAL
BROCHURE
2015**

4 - 7

**ROUND
BALERS**



10 - 13

BIG BALERS



8 - 9

WRAPPERS





14 - 17

VERTICAL MIXERS



22 - 23

HORIZONTAL MIXERS



18 - 19

**SELF PROPELLED
VERTICAL MIXERS**



24 - 27

**SPREADERS
DISTRIBUTORS**



20 - 21

**STATIONNARY
VERTICAL MIXER "BIO" RANGE**



28 - 31

**TRAILED CUTTING
AND SELF LOADING GRASS WAGONS**



32-35

**TRUCK MANURE
SPREADER**





Round balers

A range to satisfy all harvesting requirements

4

HARVESTING



EASY MAX

TOP CUT

MASTER PLUS

The reduced dimension of the pick-up facilitates the taking up of the product and the feed of the pressing chamber is lightened by the fork introduction device which has strong guide teeth thereby eliminating the risk of clogging caused by irregular windrows and it keeps the feed constant without any interruptions, guaranteeing an improved bale formation.

The top Cut cutting system consists of a rotary feeder, with spirally positioned teeth of the profile of which ensures a clean cut without any pressure, by means of 14 knives with undulating toothing positioned on the frame behind the pick-up. The knives can be either hydraulically engaged or disengaged from the tractor cab. Safety is guaranteed thanks to knives springs.

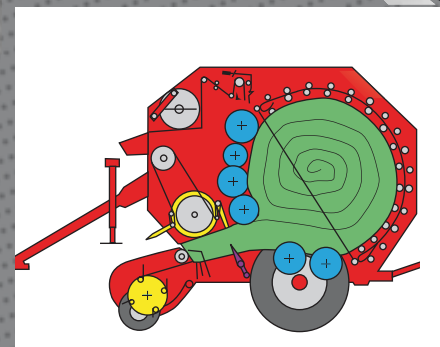
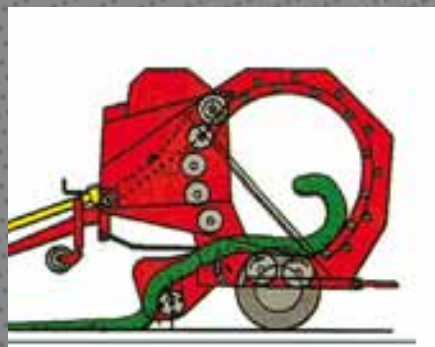
The pick-up of the latest design makes it possible to adjust the cams externally. The side screws of large diameter convey the picked product towards the centre. The 2200-mm width guarantees perfect harvesting, whilst the rotary feeder avoids entrapment and guarantees feeding of any product.





The net binder with direct introduction in the chamber (net is introduced by the rollers) assures tension right from the start of the binding and thanks to the controlled braking system it improves the binding quality of the external borders.

Introduction of the product into the chamber is completed by the alternative feeder which guarantees constant feeding in order to obtain improved baling.



The roller-chain system does not require the disengagement of the PTO at the moment of the opening of the chamber.



Electronic control box:

- Partial and total counter of the bales
- Acoustic signal of bale ending
- Manual or automatic starting of net binding



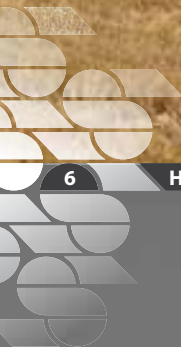
	EASY MAX - TRONIC		TOP CUT - TRONIC		MASTER PLUS - TRONIC		
Length (mm)	3600	3800	3600	3800	3750	3850	4100
Width (mm)	2250	2250	2250	2250	2450	2450	2450
Height (mm)	2000	2200	2100	2300	2150	2340	2550
Weight (Kg)	1900	2100	2740	2980	2760	2960	2980
Min. power required P.T.O. Kw/Hp	45 (60)	50 (68)	45 (60)	50 (68)	52 (70)	60 (80)	68 (90)
PTO (turns/min.)	540	540	540	540	540	540	540
Bale's diameter (mm) Ø	1200	1500	1200	1500	1200	1500	1650
Bale's width (mm)	1200	1200	1200	1200	1200	1200	1200
Nr. of rolls	5	6	6	7	5	6	6
Pick-up width (mm)	1600	1600	1900	1900	2200	2200	2200
Pick-up Optional	1900	1900	-	-	-	-	-
Nr. of teeth/row 160/190	21/25	21/25	25	25	28	28	28
Pick-up's raising	Hydraulic single - acting		Hydraulic single - acting		Hydraulic single - acting		
Distance between teeth (mm)	70	70	70	70	70	70	70
Net binder	standard		standard		standard		
Double string binder	optional		-	-	-	-	-
Tires	10.0/75-15,3 10PR	10.0/75-15,3 10PR	15.0/55-17 10 PR	15.0/55-17 10PR	15.0/55-17 10 PR	15.0/55-17 10PR	15.0/55-17 10PR
Tires Optional	13.0/55-16 12 PR	13.0/55-16 12PR	19.0/45-17	19.0/45-17	19.0/45-17	19.0/45-17	19.0/45-17



R 170

One single rubber belt

*Great advantages
for high
performances*



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HARVESTING



170 R

Unloading of the bale is indicated
by a visual warning on the machine.

Electronic control box
with the following functions

- Setting of bale's diameter
- Automatic or manual starting of the net binding
- Indicator of bale's making
- Pressure setting
- Bales counter partial or total
- Command for Knives (Top Cut)
(if machine is provided)

THE UTILITY OF A VARIABLE CHAMBER

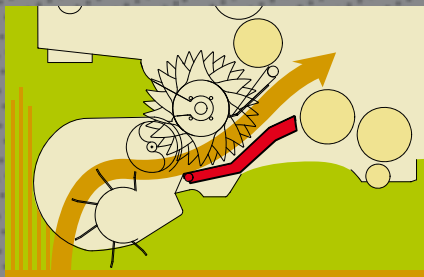
More compact bales.
Uniformity of the product rolling.
Easy unrolling of the bale.
Less space for storage.



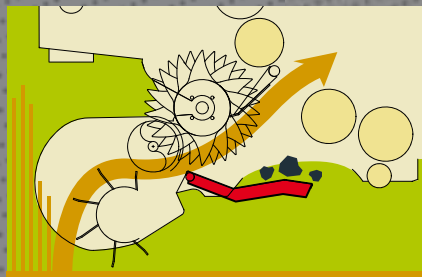


DENSITY ADJUSTABLE

Adjustable diameter of the bale from 90 till 170 cm.

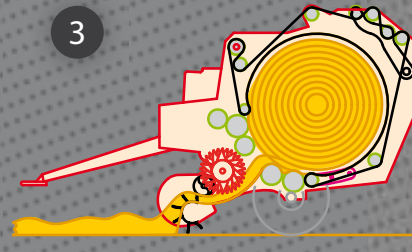
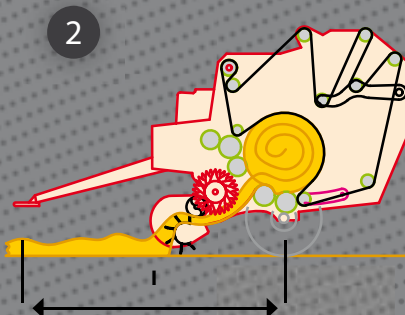
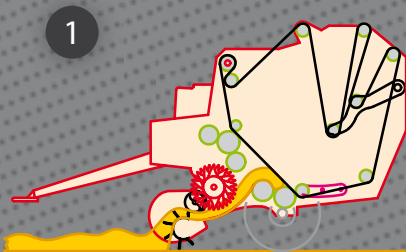


The standard mobile plate Non-Stop (against entrapment) increase the reliability of the machine in baling any type of products



The rotativ feeder guarantees feeding of any products.

Upon request, TOP CUT cutting system with 13 knives hydraulically engaged.



	R 170	R 170 Top Cut
Length (mm)	4400	4400
Width (mm)	2550	2550
Height (mm)	2750	2750
Mesure (l)	3000	3000
Tare (Kg)	3400	3500
Min. power required P.T.O. Kw/Hp	68 (90)	75 (100)
PTO (turns/min.)	540	540
Bale's diameter (mm) Ø	90 ÷ 170	90 ÷ 170
Width balers (mm)	1230	1230
Nr. of rolls	4	4
Rubber belt	1	1
Pick-up width (mm)	2200	2200
Nr. of teeth/row	28	28
Pick-up's raising	Hydraulic single-acting	
Distance between teeth (mm)	70	70
Net binder	Standard	Standard
Tires	500/50-17	500/50-17

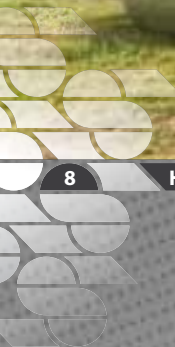


Wrapper

Easy wrapping

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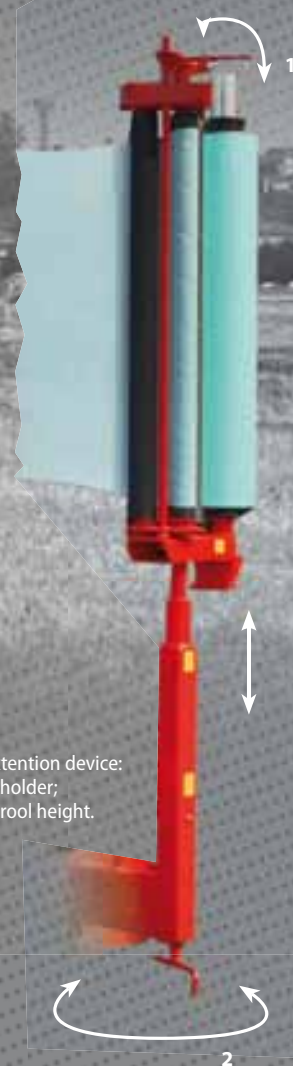
HARVESTING



ABS 15 S



ABS 15 P



Plastic film extension device:
1. Tilting roll holder;
2. Adjustable roll height.



Remote control with radio frequency (for mod. P).

Hydraulic outlets.

Incorporated hydraulic system (option).

Electro-hydraulic commands

Electronic revolution counter (control number of turns, partial and total numbers of bales).





Automatic cutting of the film at the moment of tilting.

The tilting roller permits wrapping of bales with diameter between 90 and 160 cm.



T railed rollers with 4 speeds.



	ABS 15 P	ABS 15 S	ABS 15 ST
Length (mm)	2450	3450	3450
Width (mm)	1800	1800	1800
Height (mm)	2100	2250	2250
Tare (Kg)	850	1000	1100
Hydraulic connetions to the tractor	1 double - acting output	1 double - acting output	1 double - acting output
Connections to the tractor	3 points	Drawbar + 3 points	Drawbar + 3 points
Bale dimensions (mm) Ø	900 ÷ 1600	900 ÷ 1600	900 ÷ 1600
Reel dimensions (mm)	500 - 750	500 - 750	500 - 750
Tires	-	205 / 60-15	205 / 60-15

Film layers

500	Z9	3	3+3
	Z11	2	2+2
	Z13	1.5	1.5+1.5
	Z15	1	1+1
750	Z9	4	4+4
	Z11	3	3+3
	Z13	2	2+2
	Z15	2	2+2



Big Balers

Rapidity of working and better stockage

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HARVESTING



SR 508

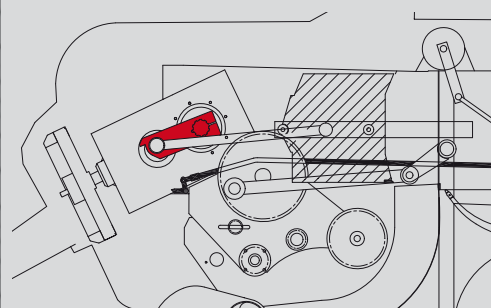
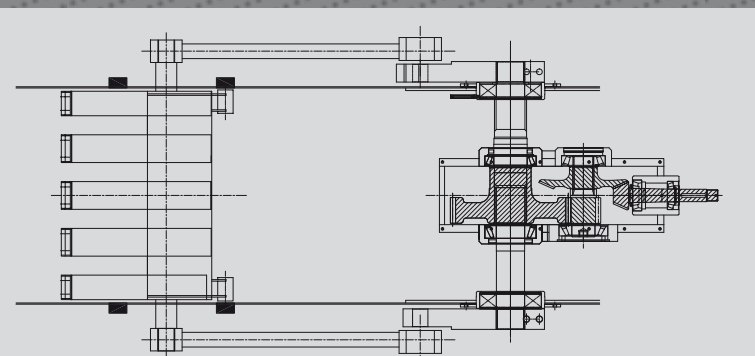
SR 608



SR 708

View of main gear box
with enclosed technical drawing.

In case of breaking of knotters security bolt, a safety device
protects needles stopping the stroke of the hammer.



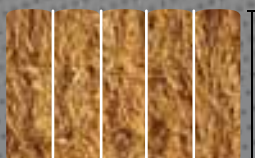


Dimensions of the bales stacked in the field:

- 508 = H 96 cm x L. 80 cm x L. from 1 to 2,5 mt
- 608 = H 116 cm x L. 80 cm x L. from 1 to 2,5 mt
- 708 = H 140 cm x L. 80 cm x L. from 1 to 2,5 mt

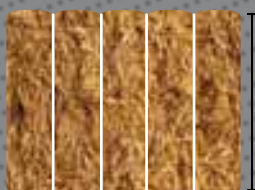
The carried bales stacker can be fitted on all range: 508 • 608 • 708

SR 508



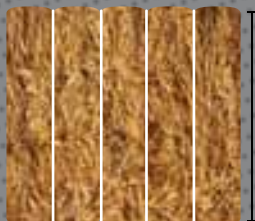
480 mm

SR 608



580 mm

SR 708



700 mm

800 mm



The electronic check-in control unit in cabin permit to check:

- Setting of density
- and visualized:
- The binding
- Binding anomaly
- The unloading ramp or the carried stacker
- Bales counter total and partial



	SR 508	SR 608	SR 708
Lenght (mm)	6800	6800	6800
Width (mm)	2460	2460	2460
Height (mm)	2900	2900	2900
Tare (Kg) (without bales stacker)	4700	4900	5100
Power required Kw/Hp	52 (70)	59 (80)	66 (90)
PTO (turns / min.)	1000	1000	1000
Height bales (mm)	480	580	700
Width bales (mm)	800	800	800
Lenght bales (mm)	1000 ÷ 2500	1000 ÷ 2500	1000 ÷ 2500
Width pick-up (mm)	1950	1950	1950
Pick-up's tires	15 x 6.00-6 6pl	15 x 6.00-6 6pl	15 x 6.00-6 6pl
Rising	hydraulic single-acting		
Distance beetwen the teeth	70 mm	70 mm	70 mm
Nr. of teeth	96	96	96
Nr. of tubes (spring holder)	4	4	4
Transmission	by chain with free wheel		
Stoke lenght hammer of compression	560 mm	560 mm	560 mm
Speed (stokes per minute) hammer of compression	52	52	52
Nr. of knotters	4 Rasspe	4 Rasspe	4 Rasspe
Fans on knotters	2	2	2
Number of twine spools	15	15	15
Tires standard	16.0/70-20 12pr	16.0/70-20 12pr	16.0/70-20 12pr
Tires optional	500/60-22,5 12pr	500/60-22,5 12pr	500/60-22,5 12pr



Big Balers

Rapidity of working and better stockage

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HARVESTING



SR 612

SR 712



The electronic control unit placed in cabin permit:

- The setting of density
- The setting time of working and stopping of fans (by "Autostart" system)

and visualized:

- The binding
- Binding anomaly
- The unloading ramp or the carried stacker
- Bales counter total and partial

6 Knotters Raspe on model SR 712.



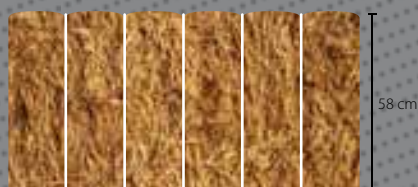


Dimensions of the bales stacked in the field:

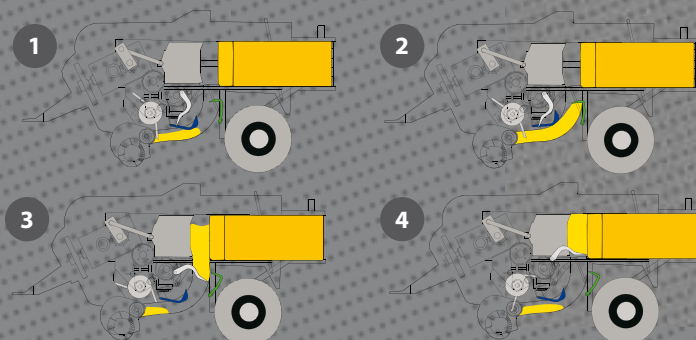
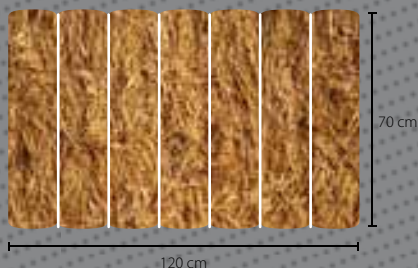
- 612 = H 116 cm x L. 120 cm x L. from 1 to 2,5 mt
- 712 = H 140 cm x L. 120 cm x L. from 1 to 2,5 mt

The carried bales stacker can be fitted on all range 612 • 712.

SR 612



SR 712



- 1 The rotative feeder introduce the product from the pick-up to pre-chamber.
- 2 The mechanical sensors are positioned on the upper part of the pre-chamber. At the filling required, the mechanical system of release of the pre-chamber, permit at the same time the opening of the keepers and the feeding in the bale chamber.
- 3 The feeding fork synchronized with the hammer, feeds the bale chamber when the hammer is in the front point.
- 4 The hammer compress the product and the feeding fork returns back in the neutral position, waiting a new working cycle.



	SR 612	SR 712
Lenght (mm)	6800	7050
Width (mm)	2500	2500
Height (mm)	2900	2950
Tare (Kg) (without bales stacker)	5500	6000
PTO (turns / min.)	1000	1000
Power required Kw/Hp	75 (100)	80 (110)
Height bales (mm)	580	700
Width bales (mm)	1200	1200
Lenght bales (mm)	1000 ÷ 2500	1000 ÷ 2500
Width pick-up	2200	2200
Pick-up's tires	15 x 6.00-6 6pl	15 x 6.00-6 6pl
Rising of pick-up	hydraulic single-acting	
Distance beetwen the teeth	70 mm	70 mm
Nr. of teeth	112	112
Nr. of tubes (spring holder)	4	4
Transmission	by chain with free wheel	
Stoke lenght hammer of compression	560 mm	560 mm
Speed (stokes per minute) hammer of compression	52	52
Nr. of knotters	5 Rasspe	6 Rasspe
Fans on knotters	3	3
Number of twine spools	15	18
Tires standard	16.0/70-20 12pr	500/60-22,5 12pr
Tires optional	500/60-22,5 12pr 600/50-22,5 12pr	600/50-22,5 12pr
Double axle	19.0/45-17	19.0/45-17

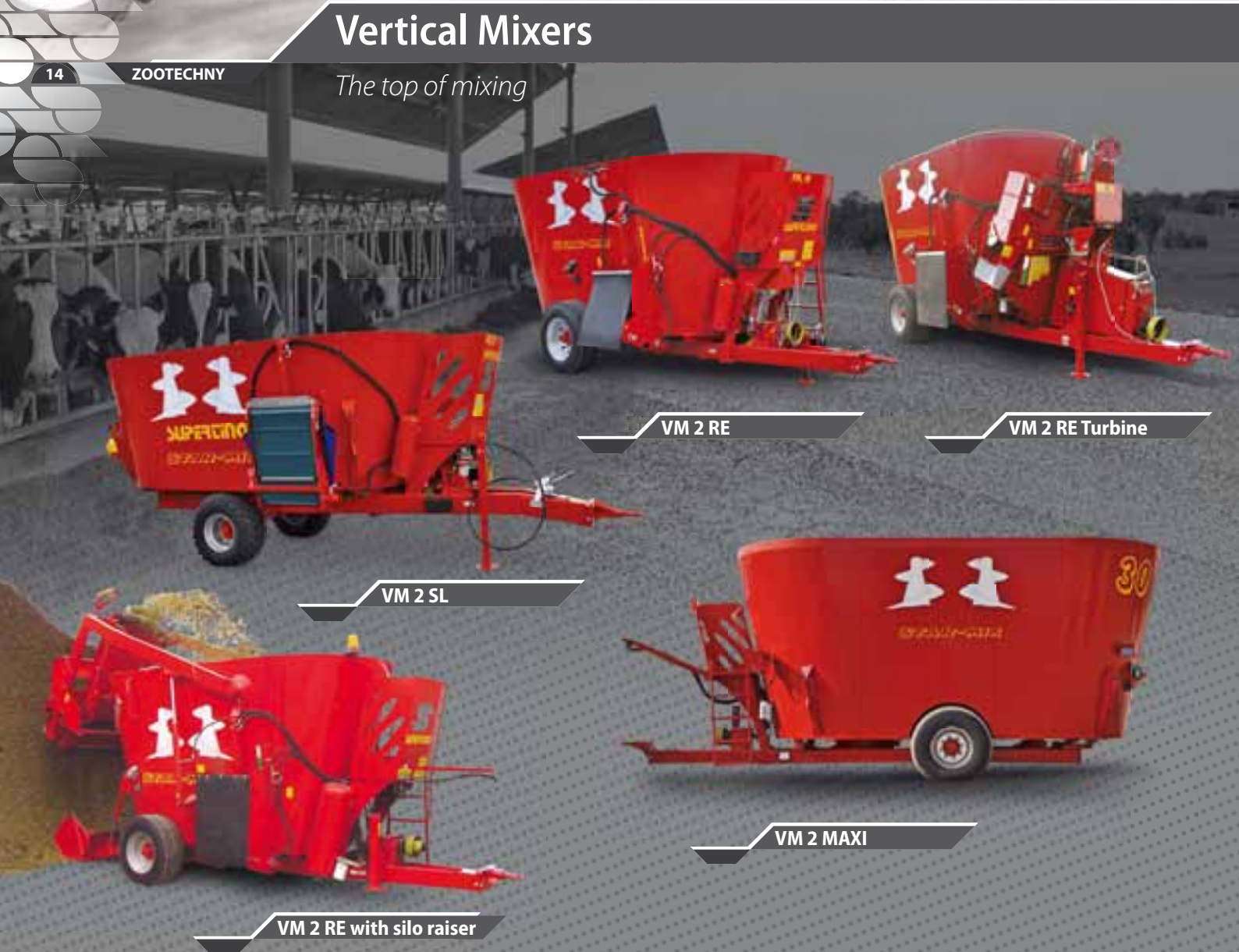


Vertical Mixers

The top of mixing

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ZOOTECNHY



VM 2 RE

VM 2 RE Turbine

VM 2 SL

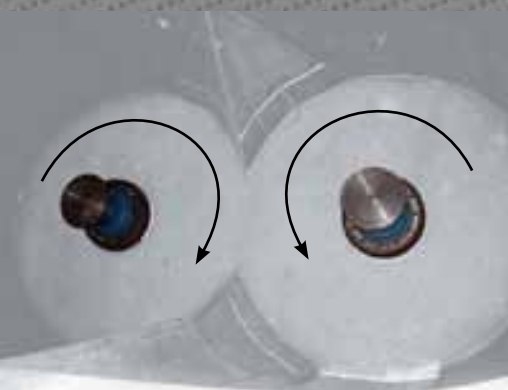
VM 2 MAXI

VM 2 RE with silo raiser

Converging augers.

- Gear-box incorporated in the augers.
- Oil tank for the gear-box of the auger.
- Easy maintenance.

Programmable weighing system
50 recipes and 30 components.





Spreading of straw up to 18 meters.



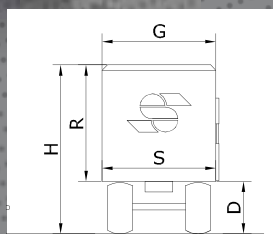
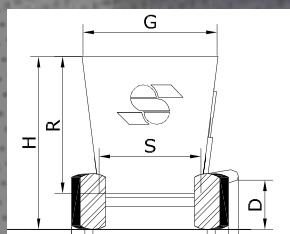
- The access to the turbine is easy from the cover fixed with 5 nuts.
- Removable blades on the turbine.



The turbine can be fitted on all versions 2 or 3 augers. Possibility to unloading with the turbine. The turbine is standard fitting with 2 speeds gear-box. Cardan shaft for turbine with clutch and free-wheel.



VM Easy Mix



"Top speed" Knives on the top of the augers.



	EASY MIX			VM2 RE VM2 SL							VM2 MAXI		
m ³	8	10	12	10	12	14	16	19	21	23	26	28	30
Lenght (mm)	4200	4300	4400	5700	5800	5900	6000	6200	6250	6300	7300	7300	7300
Lenght version SL (mm)	-	-	-	-	6300	6350	6400	6700	6750	6800	-	-	-
Width (mm)	2350	2350	2350	2450	2450	2450	2450	2680	2680	2680	2700	2700	2700
Width version SL (mm)	-	-	-	-	2250	2280	2300	2400	2430	2430	-	-	-
G	2350	2350	2350	2070	2080	2130	2200	2380	2430	2430	2600	2650	2680
G - Version SL	-	-	-	-	2250	2280	2300	2400	2430	2430	-	-	-
H - Height (mm)	2550	2750	2970	2350	2550	2750	2950	2800	3000	3200	3150	3300	3450
H - Height version SL (mm)	-	-	-	-	2550	2700	2850	3000	3150	3300	-	-	-
R	1730	1930	2130	1800	2000	2200	2400	2200	2400	2600	2250	2400	2550
R - Version SL	-	-	-	-	1600	1750	1900	2050	2200	2350	-	-	-
S	2350	2350	2350	1600	1600	1600	1600	1850	1850	1850	2350	2350	2350
S - Version SL	-	-	-	-	1850	1850	1850	2150	2150	2150	-	-	-
Height - D	780	800	820	500	500	500	500	500	500	500	600	600	600
Height - D (Version SL)	-	-	-	-	900	900	900	900	900	900	-	-	-
Turbine	-	-	-	✓	✓	✓	✓	✓	✓	✓	-	-	-
Raiser	-	-	-	-	✓	✓	✓	✓	✓	✓	-	-	-
Wheels outside tank (VM2 RE)	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Wheels under the tank (VM2 SL)	✓	✓	✓	-	✓	✓	✓	✓	✓	✓	-	-	-
Power required Kw/Hp	45 (60)	50 (68)	50 (68)	50 (68)	50 (68)	50 (68)	50 (68)	60 (80)	60 (80)	60 (80)	70 (95)	70 (95)	70 (95)
PTO (turns / min.)	540	540	540	540	540	540	540	540	540	540	540	540	540
Tare (Kg)	3000	3100	3200	5000	5100	5200	5300	6100	6200	6300	8300	8400	8500



Vertical Mixers

The top of mixing

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ZOOTECHNY



VM30 TWIN

VM30 30 m³ Twin
with right and left front unloading belt.
Turbine with two unloading
on the right and on the left.

TWIN: double axle balance system with rear steering axle.

VM24 RE

- An extraordinary range for high performances.
- 2 augers cut more fast than 1, but 3 cut even faster.
- Compact both in width and height.
- Available from 15 until 40 m³.
- Can be equipped with one single axle or with double axle balance system.
- Turbine is available on all models.





VM3-30 m³ (Height 305 cm + 15 cm containing ring).

VM3 24m³ Power-mix 145 Hp.
Frontal left unloading with belt.
Rear central unloading.
Turbine.
Hydraulic divider for fibrous products.



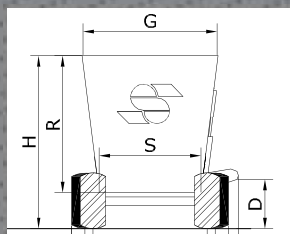
Remote control unit :

- Star and stop engine
- Electronic indicator
- Commands for all the functions (unloading, turbine, speed of augers and turbine)
- Hooking and unhooking from tractor's cab tanks to hydraulic feet.



Remote control for weighing system.

VM3 24 Power Mix



	VM3			VM3 Twin				VM2 Power-Mix					VM3 Power-Mix		
m ³	15	18	21	24	27	30	40	12	14	16	19	21	18	21	24
Lenght (mm)	7400	7450	7480	7520	8130	8170	8800	6800	6850	6900	7100	7200	8850	8900	8950
Width (mm)	2450	2450	2450	2450	2700	2700	2700	2450	2450	2450	2700	2700	2450	2450	2450
D - Height (mm)	500	500	500	500	550	550	-	500	500	500	500	500	500	500	500
D - Height (mm) Version Twin	900	900	900	900	900	900	900	900	900	900	900	900	900	900	900
G (mm)	2020	2080	2130	2200	2380	2430	2450	2080	2130	2200	2380	2430	2080	2130	2200
H - Height (mm)	2400	2600	2800	3000	2900	3100	-	2600	2800	3000	2900	3100	2600	2800	3000
H - Height (mm) Version Twin	-	3000	3200	3400	3250	3400	3650	3000	3200	3400	3300	3500	3000	3200	3400
R (mm)	1800	2000	2200	2400	2200	2400	2500	2000	2200	2400	2200	2400	2000	2200	2400
S (mm)	1600	1600	1600	1600	1850	1850	2150	1600	1600	1600	1850	1850	1600	1600	1600
Turbine	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
1 axle	✓	✓	✓	✓	✓	✓	-	✓	✓	✓	✓	✓	✓	✓	✓
Double axle balance systeme	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Power required Kw/Hp	60 (80)	60 (80)	60 (80)	60 (80)	70 (95)	70 (95)	80 (110)	-	-	-	-	-	-	-	-
Engine	-	-	-	-	-	-	-	125 cv	125 cv	125 cv	145 cv	145 cv	145 cv	145 cv	145 cv
PTO (turns / min.)	540	540	540	540	540	540	540	-	-	-	-	-	-	-	-
Tare (Kg)	7400	7600	7800	8000	8900	9100	10300	5800	5900	6000	6800	6900	8300	8500	8700



Self propelled vertical mixers

Simple, handy, reliable

18

ZOOTECHNY



SVM2 28



SVM2 21

Gearbox of the augers, no extraordinary maintenance is required.
2 rear wheels drive with hydraulic locking.
2 front steering wheels.

- Silage cutter:
 - two directions of rotation
 - power 100 HP
 - working width 2 meters
 - 144 Knives
 - cutter protection hydraulically reversible
 - diameter of 72 cm.

John-Deere engine

- Engine 145 Cv 4 cyl.
- Engine 170 Hp 4 cyl.
- Engine 170 Hp 6 cyl.
- Engine 200 Hp 6 cyl.



FPT (Fiat Power-Train) engine

- Engine 140 Cv 4 cyl.
- Engine 170 Hp 4 cyl.
- Engine 175 Hp 6 cyl.
- Engine 238 Hp 6 cyl.



- Unloading with belt is standard fitted on the front left side.
- Possibility of different unloadings with belt or without belt, front or rear.
- Fuel tank capacity 120 or 180 liters.
- Two hydraulic counter-knives (standard).





Maxi version has been created to have big capacity with 2 verticals augers, 26-28-30 m³.

Main differences:

- Wider diameter of the augers.
- "Power-shift" transmission (2 speeds rotation of the augers) standard, to start easy the mixing and makes enterly empty the tank.



Standard transmission to the augers for RE range.



Power-Shift transmission for RE range.

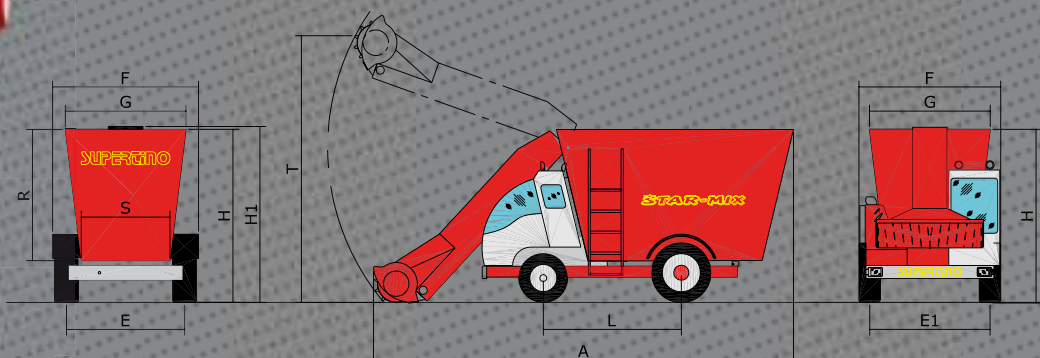


Power-Shift transmission for MAXI range.

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Self-Propelled Mixer versions RE can be equipped with a spreading turbine.



	SVM2 - RE						SVM2 - MAXI		
	SVM2 12	SVM2 14	SVM2 16	SVM2 19	SVM2 21	SVM2 23	SVM2 26	SVM2 28	SVM2 30
m ³	12	14	16	19	21	23	26	28	30
A	7800	7800	7800	8200	8200	8200	8700	8700	8700
B	1100	1100	1100	1050	1050	1050	1250	1250	1250
C* belt 50 cm	2600	2600	2600	2600	2600	2600	2800	2800	2800
C* belt 70 cm	2750	2750	2750	2750	2750	2750	2950	2950	2950
C* belt 100 cm	3000	3000	3000	3000	3000	3000	3200	3200	3200
D* belt 50 cm	650	650	650	650	650	650	700	700	700
D* belt 70 cm	750	750	750	750	750	750	800	800	800
D* belt 100 cm	950	950	950	950	950	950	1000	1000	1000
E	2120	2120	2120	2170	2170	2170	2350	2350	2350
E1	2070	2070	2070	2070	2070	2070	2070	2070	2070
F	2550	2550	2550	2550	2550	2550	2750	2750	2750
G	2080	2130	2200	2380	2430	2430	2600	2650	2650
H	2750	2950	3150	2950	3150	3350	3070	3220	3350
H1	2980	3120	3270	3070	3270	3500	3130	3330	3400
L	2800	2800	2800	2800	2800	2800	3300	3300	3300
R	2000	2200	2400	2200	2400	2600	2250	2400	2550
S	1600	1600	1600	1850	1850	1850	2350	2350	2350
T	4400	4400	4400	4400	4400	4400	4400	4400	4400
Z	2900	2900	2900	2900	2900	2900	2900	2900	2900
Y	2100	2100	2100	2500	2500	2500	2500	2500	2500
Tare (Kg)	11300	11400	11500	11700	11800	11900	12700	12800	12900

C* Total width at the unloading with belt of...

D* Maximal unloading height with a belt of...



Self propelled vertical mixers

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ZOOTECNHY

BIO range

The SVM2 Bio range was created for the loading of stationary mixers:

- Longer belt conveyor
- Unloading belt with high performances.

Loading of SVM2 30 until 12.000 kg.



Unloading of SVM2 30 into stationary tank situated in front of the digester.





Melangeuses stationnaire Bio

BIOGAS

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Transmission to the augers by cardan shaft with security bolt.



Hydraulic unit for command from PC.



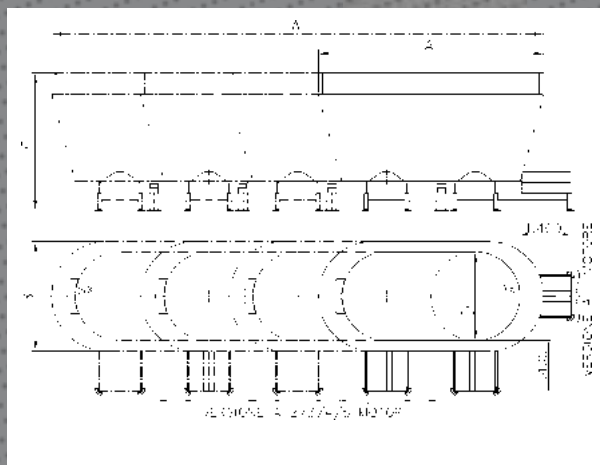
Weighing for dosing of products from PC.



Tanks for mantening oil at gear boxes.



Electric engines from 22 till 45 Kw with gear box.



Model	A	B	C	D	Augers	Electric engine
VM2 12 Bio	4130	2100	2800	1600	2	1 x 22 Kw
VM2 16 Bio	4300	2200	3200	1600	2	1 x 30 Kw
VM2 19 Bio	4710	2400	3000	1850	2	1 x 37 Kw
VM2 23 Bio	4810	2450	3400	1850	2	1 x 37 Kw
VM2 28 Bio	5750	2650	3200	2350	2	2 x 22 Kw
VM2 30 Bio	5750	2650	3350	2350	2	2 x 22 Kw
VM2 32 Bio	6170	3000	3170	2440	2	2 x 30 Kw
VM2 40 Bio	6170	3000	3770	2440	2	2 x 37 Kw
VM3 46 Bio	8600	3000	3170	2440	3	3 x 30 Kw
VM3 60 Bio	8600	3000	3770	2440	3	3 x 37 Kw
VM3 80 Bio	8600	3000	4370	2440	3	3 x 45 Kw
VM4 100 Bio	11000	3000	4370	2440	4	4 x 45 Kw
VM5 120 Bio	13300	3000	4370	2440	5	5 x 45 Kw



Horizontal Mixers

Good comparison quality-price

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ZOOTECHNY



DM 6



DM 11



DM 13



M 15

Multiplier for fixing hydraulic pump.

Cutter loading mais silage.

Cutter loading grass silage.

Weighing programmable electronic system with 50 recipes and 30 components.





Cutter with 8 knives on the side for better loading.



Ideal for farm that have a tractor with low power.

4 augers:
2 lower with knives
2 upper for mixing.

Front view
of upper augers.



Version DM with cutter,
version M without cutter.

- Planetary gear- box + gears in oil bath.
- Steel bottom hardness 300 brinnels.
- Cutter with two sense of rotation.
- Incorporated hydraulic pump.

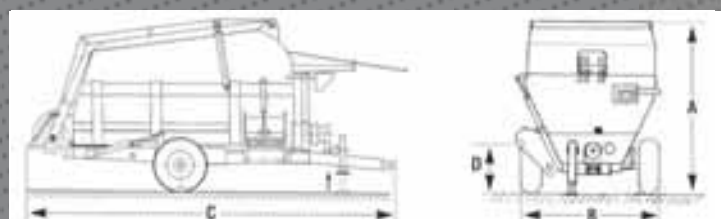


Pinions (in oil bath)
positionned after
the planetary
reduction.



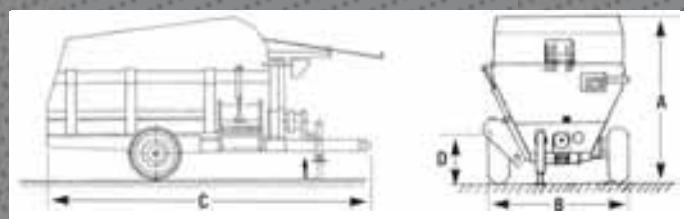
Horizontal mixer version DM

	DM 6	DM 8	DM 11	DM 13	DM 15
m ³	6	8	11	13	15
A (mm)	2400	2450	2900	2900	2900
B (mm)	2040	2080	2350	2350	2400
C (mm)	5500	6200	6200	6700	7200
D (mm)	60	60	70	70	80
Cutting width (mm)	1420	1420	1850	1850	1850
Cutting height (mm)	3400	3800	3600	4000	4200
Nr. of knives on the cutter	48	48	56	56	56
Tare (Kg)	4200	4900	6000	6500	7000
Power required (Hp)	50	60	70	70	80



Horizontal mixer version M

	M 6	M 8	M 11	M 13	M 15
m ³	6	8	11	13	15
A (mm)	2200	2250	2700	2700	2700
B (mm)	2040	2080	2350	2350	2400
C (mm)	4800	5500	5500	6000	6500
D (mm)	60	60	70	70	80
Tare (Kg)	3500	4100	5000	5500	5900
Power required (Hp)	50	60	70	70	80





Spreaders distributors

The top of the quality

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ZOOTECHNY



TWISTER 2 P



TWISTER 2 T



SD 4 E STORM



SD 6 E STORM

Chain transmission with automatic tension.
100% of the power is transferred.

Transmission to the rotor with gear box.

A polyvalent rotor with diameter of 680 mm and 80 knives. Ideal for the spreading of straw, distribution of hay and grass bales, and also corn and grass silage.





Hydraulic command for the deflector.



Standard right unloading chute with orientation 45° forward + 45° backward.



Electro-hydraulic controls with mobile command from the control unit of the tractor.

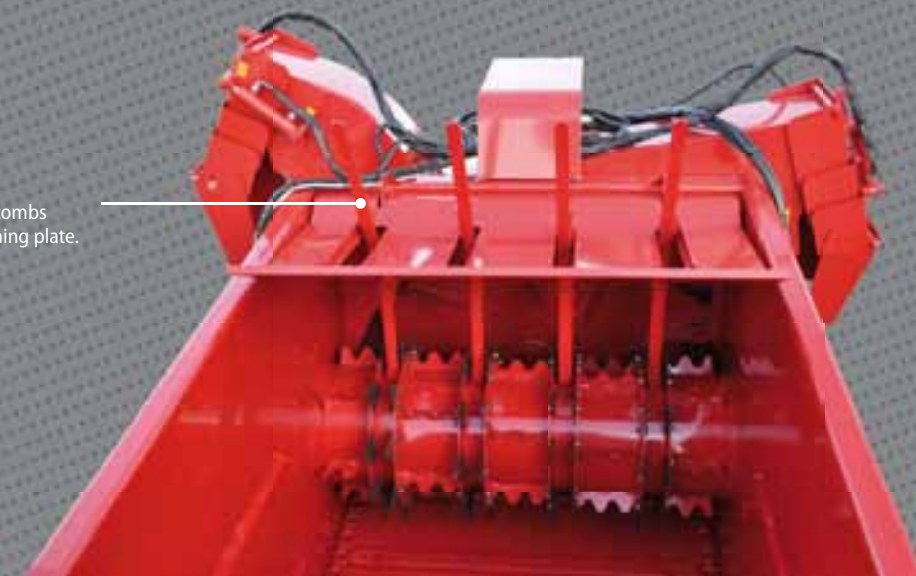


The hydraulic sluice that make the machine more versatile and grant the working with silo products.



Easy opening on all the height of the turbine.

Adjustable combs with containing plate.



	Twister 2 P	Twister 2 T	SD4 E Storm	SD6 E Storm
Standard height of the machine (mm)	2100	2200	2460	2460
Minimal height standard machine H (withot sluice) (mm)	-	2100	2200	2200
Tank height (mm)	1200	1200	1180	1180
Width middle way (mm)	-	2020	2040	2060
Width (mm)	-	1750	1750	1750
Maximal width (mm)	2220	2220	2220	2220
Width (mm)	2230	2230	2230	2230
Tank lenght (mm)	1050	1050	1550	2550
Protrusion showel (mm)	490	490	490	490
Lenght (mm)	-	1100	1250	1850
Lenght (mm)	-	2800	3100	3550
Totale lenght (mm)	3000	3900	4350	5350
Height of drawbar (mm)	-	400	470	470
Drawbar length (mm)	-	1000	1300	1300
Height PTO (mm)	650	800	800	800
Width of tank inside (mm)	1350	1350	1350	1350
Height (mm)	2225	2250	2280	2280
Height of hook up points (mm)	400	-	-	-
Tare (Kg)	1590	1730	2050	2210
Tires	-	10.0/75-15.3	10.0/75-15.3	11.5/80-15.3



Spreaders distributors

The top of the quality

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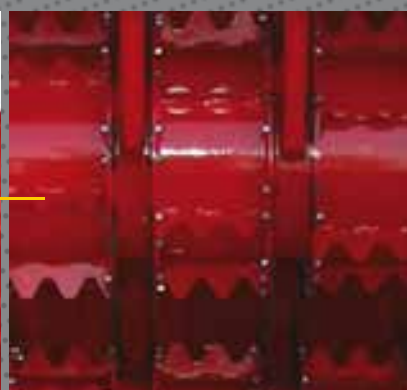
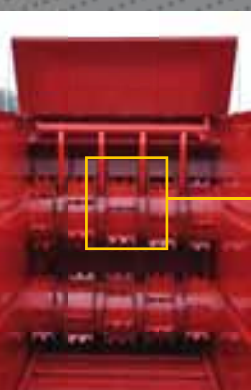
HURRICANE 10

HURRICANE 8

The Hurricane 8 and 10 versions are both equipped with two rotors with 160 knives which allow a fast chopping of the bales of any dimensions. Both rotors feed the turbine which is equipped of two speeds operating on a launch till 18mt.

Adjustable counter-knife on the chute.

Spreading of straw up to 18 mt.





Silo arm for loading bales and silo products. (Self loading).



Mobil axle.



SD 4C / SD 6C



	Hurricane 8	Hurricane 10	SD4 C	SD6 C
Standard height of the machine (mm)	2550	2550	2480	2480
Minimal height standard machine H (withot sluice) (mm)	2500	2500	2480	2480
Tank height (mm)	1900	1900	1180	1180
Width middle way (mm)	2170	2170	2280	2280
Width (mm)	1840	1840	2020	2020
Maximal width (mm)	2220	2220	2380	2380
Width (mm)	2230	2230	2480	2480
Tank lenght (mm)	2900	4200	1860	2860
Protrusion showel (mm)	490	490	350	350
Lenght (mm)	2180	2370	1150	1650
Lenght (mm)	3550	4800	3100	3700
Totale lenght (mm)	5730	7170	4700	5700
Height of drawbar (mm)	470	470	470	470
Drawbar length (mm)	1300	1300	1300	1300
Height PTO (mm)	800	800	800	800
Width of tank inside (mm)	1350	1350	1350	1350
Height (mm)	2400	2400	2280	2280
Tare (Kg)	2980	3410	2680	2910
Tires	13.0/65-18	13.0/65-18	11.5/80-15.3	11.5/80-15.3



Trailed cutting and self loading grass wagons

Quick harvesting of green grass

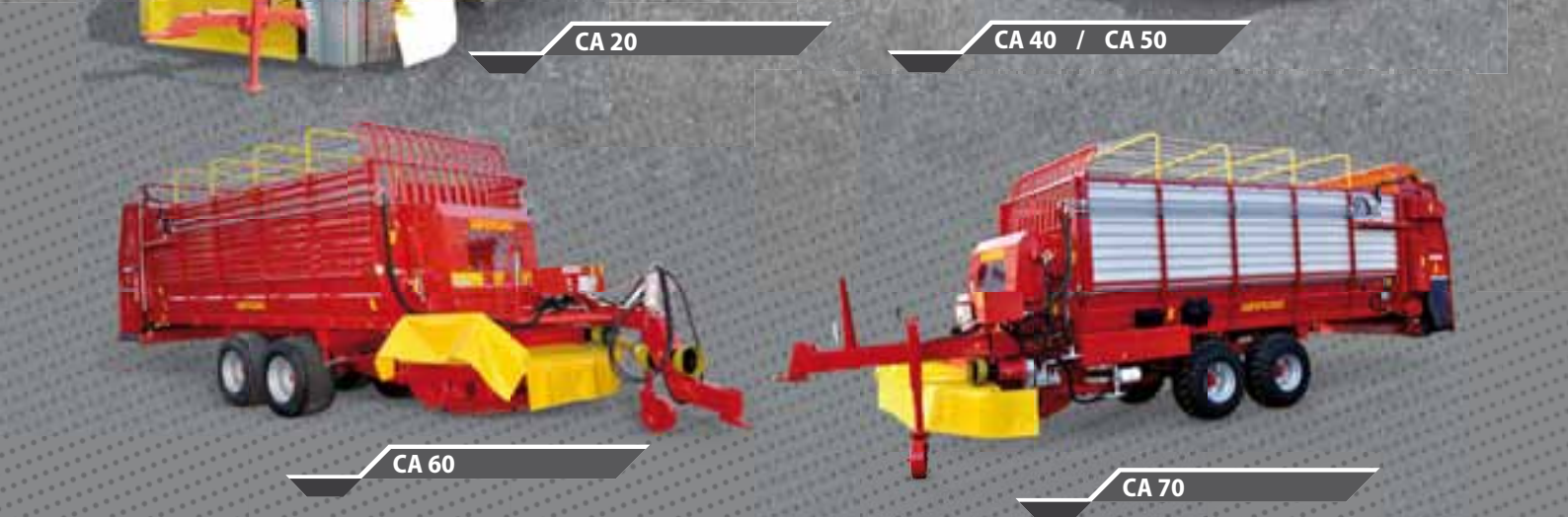
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CA 20

CA 40 / CA 50



CA 60

CA 70

Bilateral unloading with chains belt.

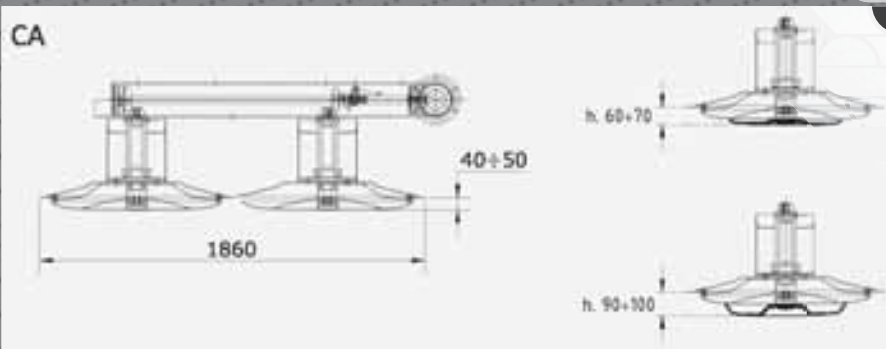
Curtain for containing product (on the side not used)

Electro-hydraulic commands.





The mowing bar with 2 drums mechanically driven, manufactured by Supertino, allows to work also on uneven grounds.



	CA 20	CA 40	CA 50	CA 60	CA 70	CA 70S
Capacity (m ³)	12	17	19	22	24	28
Cutting width (mm)	1860	1860	1860	1860	1860	2150
Number of bars on the loading conveyor	4	7	7	7	7	7
Total lenght (mm)	6200	6550	7350	7850	8350	8350
Lenght (toweys – axle) (mm)	3790	4200	4200	4300	4300	4300
Caisson lenght (mm)	3000	3600	4100	4600	5100	5100
Lenght of the caisson with door (mm)	3500	4100	4600	5100	5600	5600
Height of unloading (mm)	720	1000	1000	1050	1050	1050
Height under belt of bilateral unloading (mm)	-	650	650	700	700	700
Height under belt of bilateral unloading dosing device (mm)	-	500	500	550	550	550
Height of caisson sides (mm)	1300	1400	1400	1400	1400	1400
Maximal height (mm)	2700	2850	2850	2900	2900	2900
Minimum total height (mm)	2100	2400	2400	2400	2400	2400
Wheel base (mm)	-	-	-	1000	1000	1000
Total width (mm)	2140	2200	2200	2200	2200	2200
Width of the caisson (mm)	1800	2100	2100	2100	2100	2100
Track width (mm)	1510	1510	1510	1510	1510	1530
Maximal height of top arch (mm)	680	450	450	450	450	450
Mowing bar height from ground (mm)	250	280	280	280	280	280
Width of the chains-belt (mm)	-	1100	1100	1100	1100	1100
Width of the chains-belt folded up (mm)	-	300	300	300	300	300
Width of the belt for dosing device (mm)	-	650	650	650	650	650
Number of axles	1	1	1	2 (Tandem)	2 (Tandem)	2 (Tandem)
Holes (wheel)	6	6	6	6	6	8
Tare (Kg)	1400	2140	2320	2790	2910	3120
Standard tires	10.0/75-15,3 10PR	15.0/55-17 10 PR	15.0/55-17 10 PR	11.5/80-15,3 10 PR	11.5/80-15,3 12 PR	15.0/55-17 14 PR

Trailed cutting and self loading grass wagons

Quick harvesting of green grass



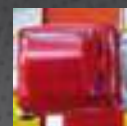
MEGA 35 / MEGA 40



Double axle balance system with rear steering axle.

Bilateral unloading with chains belt.

Unloading system with dosing device, 3 rotors and bilateral unloading with belt in PVC.





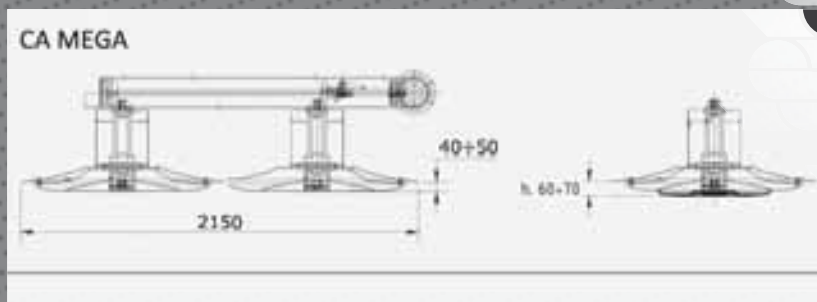
Cutting width 2.150 mm.



The loading conveyor can be equipped with 5 knives (in the picture only 1).



Digital control unit with display standard on version MEGA.



	CA MEGA35	CA MEGA40
Capacity (m³)	35	40
Cutting width (mm)	2150	2150
Number of bars on the loading conveyor	8	8
Total length (mm)	10000	11000
Length (toweye – axle) (mm)	6185	6585
Caisson length (mm)	6100	7100
Length of the caisson with door (mm)	6700	7700
Height of unloading (mm)	1350	1350
Height under belt of bilateral unloading (mm)	900	900
Height under belt of bilateral unloading dosing device (mm)	750	750
Height of caisson sides (mm)	1750	1750
Maximal height (mm)	3700	3700
Minimum total height (mm)	3100	3100
Distance between axle (mm)	1200	1200
Total width (mm)	2300	2300
Width of the caisson (mm)	2200	2200
Track width (mm)	1560	1560
Maximal height of top arch (mm)	600	600
Mowing bar height from ground (mm)	460	460
Width of the chains-belt (mm)	1400	1400
Width of the chains-belt folded up (mm)	300	300
Width of the belt for dosing device (mm)	650	650
Number of axles	2 (tandem)	2 (tandem)
Holes (wheel)	8	8
Tare (Kg)	5940	6230
Standard tires	560/45-22,5 flotation	560/45-22,5 flotation



Manure spreader

Strength, simple, original

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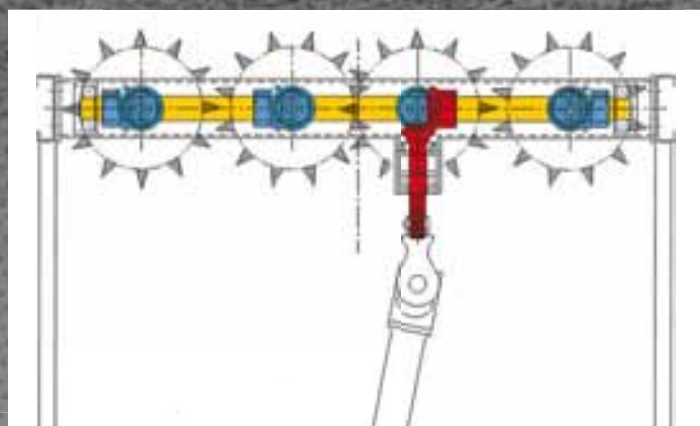


CS 40 D



CS 70

CS 40 - CS 70d
Spreader device direct-version.



Mechanic tensioner
of chains.

The wooden bottom with the inserts of the rails in stain-
less steel and 2 chains are standard on all models.

Hydraulic
protection





The product is collect from the spreader above the belt and guarantee a perfect crushing.

4 forward speeds of the belt
and 1 reverse gear
for the mechanical version.



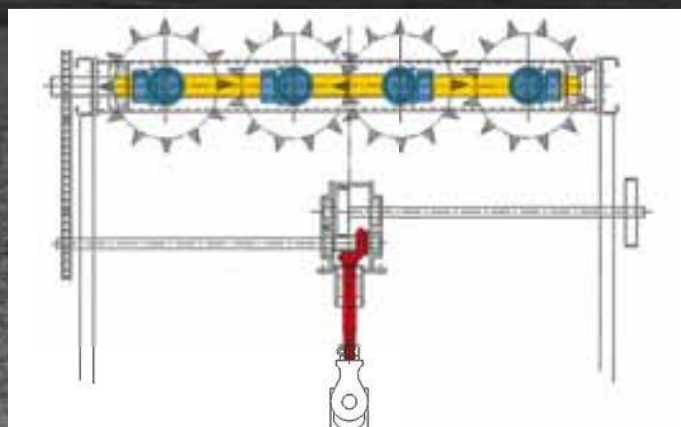
CS 80



The wooden platform with
the inserts of the rails in
stainless steel and 2 chains
are standard on all models.

CS 70 - CS 80 - CS 90

Spreader device with reduction gear.



	CS 40d	CS 70d	CS 70	CS 80	CS 90
Max. lenght (mm)	4950	5450	5450	6050	6700
Max. width (mm)	2050	2050	2050	2050	2050
Max. height (mm)	1700	2100	2100	2400	2400
Lenght of the tank (mm)	3500	4000	4000	4500	5000
Width of the tank (mm)	1800	1800	1800	1800	1800
Height of the sides (mm)	630	930	930	930	930
Loading capacity (Kg)	6000	7000	7000	8000	9000
Capacity (m ³)	4	6	6	8	9
Axles	1	1	1	1	1
Standard tires	10.0/75 15,3 10pl	11.5/80 15,3 10pl	11.5/80 15,3 10pl	385/65 22,5	385/65 22,5
Tare (Kg)	1400	1750	1800	2300	2700
Augers transmission	Direct	Direct	Reduction gear	Reduction gear	Reduction gear
Belt transmission	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical



Manure spreader

Strength, simple, original

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CS 95



CS 140



CS 140 S

Four chain belt 2+2
with independent
towing (optional).



The front protective grid is standard mounted on all models.
The rear hydraulic sluice (option) permits loading of muds and semi-liquid products.

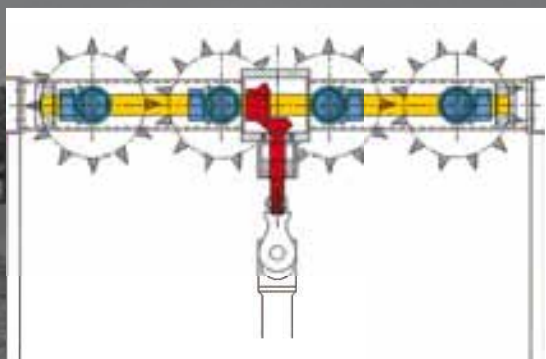




The spreader device composed of 4 vertical augers with blades made of hardened steel and 4 plates positioned below the augers grant the perfect crushing of all kinds of manure.

CS 95 - CS 100 - CS 120 - CS 140 - CS 140s - CS 200

Spreader device with incorporated reduction gear
CS 95 - CS 100 - CS 120 - CS 140 - CS 140s - CS 200.



CS 200

3 axles with lift springs suspension.

Front and rear steering axles.



	CS 95	CS 100	CS 120	CS 140	CS 140S	CS 200
Max. lenght (mm)	6150	6700	6300	6800	7300	8700
Max. width (mm)	2250	2250	2250	2250	2550	2550
Max. height (mm)	2700	2700	2850	2850	3050	3200
Lenght of the tank (mm)	4500	5000	4500	5000	5500	6500
Width of the tank (mm)	2000	2000	2000	2000	2280	2280
Height of the sides (mm)	1130	1130	1130	1130	1300	1300
Loading capacity (Kg)	9500	11000	9500	11000	14000	20000
Capacity (m ³)	9	10	9	10	14	20
Axles	1	1	2 with balance system	2 with balance system	2 with balance system	3
Standard tires	385/65 22,5	385/65 22,5	385/55 19,5	385/65 22,5	385/65 22,5	560/60 22,5 Radial
Tare (Kg)	3500	4100	3800	4700	5300	7700
Auguers transmission	Gear in single-girder version	Gear in single-girder version	Gear in single-girder version	Gear in single-girder version	Gear in single-girder version	Gear in single-girder version
Belt transmission	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic



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אחראי על

