



NEW RELEASES

SEASON 2023 - 2024

40 *SaMASZ*[®]
YEARS



Grand opening of new laser cutting department

Newly opened Laser Cutting Department with profile and sheet metal storage which cost 11 mln PLN is a part of Industry 4.0 project. Additionaly on the equipment needed for automation processes we spent 51 mln PLN.

Total area of factory's production space has reached 3 ha now. The newest extension - Laser cutting department, equipped with automatic sheet metal storage and robotized laser cutting and sorting centers occupy area of 4,000 m2.

Between 2021 and 2023, SaMASZ invested in new press brakes and welding robots for production of flail shafts. Storage facilities for semi-finished products have been expanded, which then go into an enlarged welding hall.

Thanks to these investments, the production efficiency has increased, allowing the company to cover the demand coming in from 70 markets worldwide. Estimates indicate a predominance of orders for forage machinery (78% of the production), municipal machinery (13% of the production) and winter maintenance technology (9% of the production).

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Digital transformation and the transition into a smart factory



Our activity and investments are not slowing down despite the difficult times for agriculture. These are not easy times, neither for farmers nor dealers and other machinery manufacturers. In this situation, let me quote the racing driver Ayrton Senna: „you can't overtake fifteen drivers when the sun is shining, but you can when it's raining". Constant development, regardless of factors and current circumstances, allows us not only to keep pace with the competition accross the world but also thinking about overtaking them – concludes.

Karol Wdziękoński, Sales and Marketing Director



We are in the middle of digital transformation and implementation of Industry 4.0 and 5.0 concepts. Mainstays of this transformation include people, processes and technology. That is the reason we are developing digital skills, using solutions from AI, data analysys, cloud computing, IoT and automation processes.

Leszek Szulc, Technical and Production Director

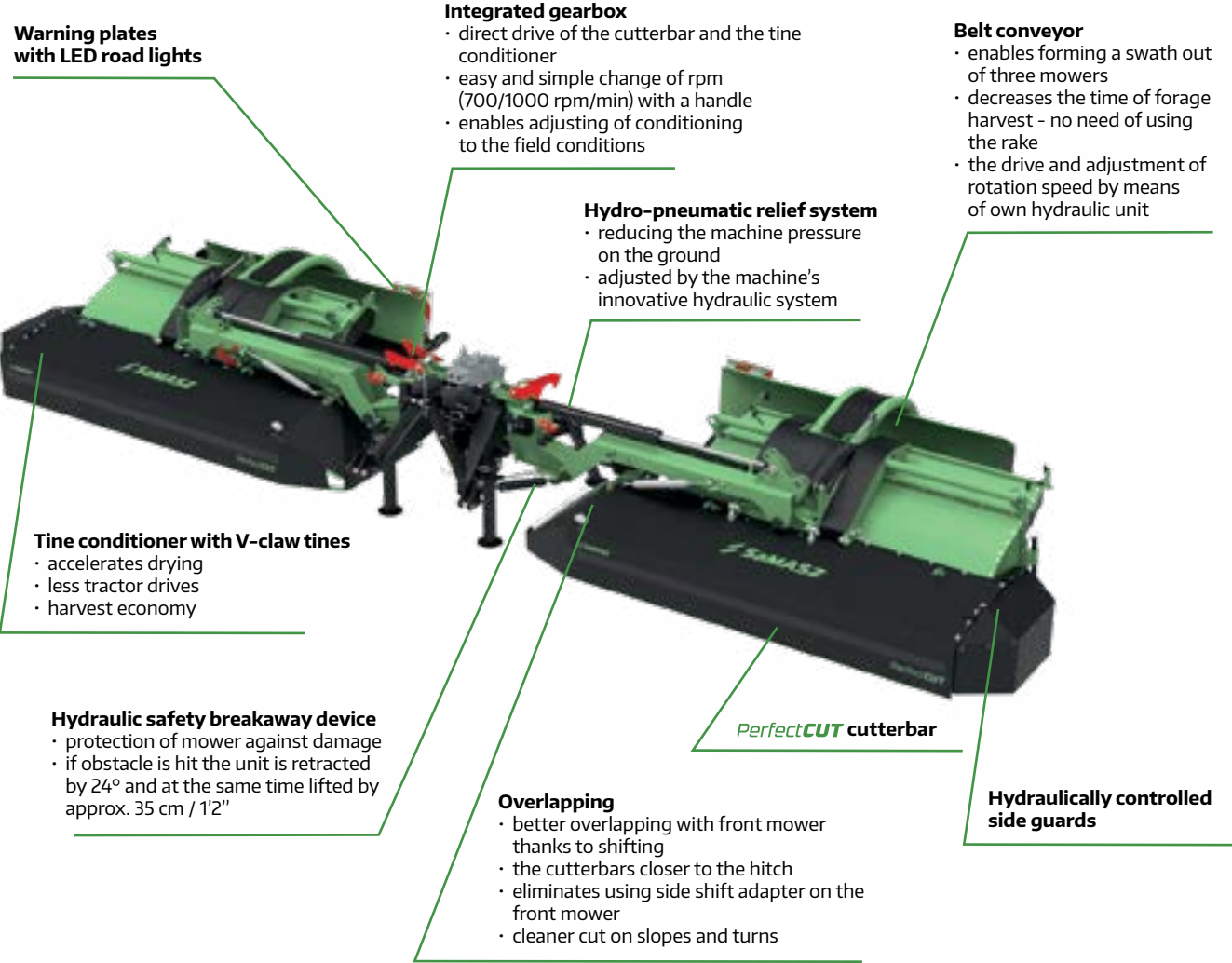


The goal of these transformations is to be a 'smart factory", with integrated IT system covering all departments. Its implementation has already begun. We are building a PLM system meaning Product Lifecycle Management. We want to monitor our products from the beginning of their life to the withdrawal. This would give us all the information necessary for the research and production processes. Moreover, we will have all the data within one digital environment.

Sławomir Dobrzański, Director of the Research and Development Centre

MOWERS

KDD 911 STH ISOBUS



ADVANTAGES

- Machine is compatible with tractors equipped with ISOBUS system
- Automated functions of preparing the machine to work and transport
- Hydro-pneumatic suspension system, controlled directly from tractor's control panel
- Conveyors driven by hydraulic LOAD SENSING system
- Front-mounted mower's control possible from ISOBUS system
- Hydraulic control of the machine's side guards
- Hydraulic transport lock of the working units

MOWERS

KDD 911 STH ISOBUS



Standard equipment:

PerfectCUT cutterbar with quick knife replacement system · **SafeGEAR** system · Belt conveyor · Hydraulic block for front mower steering · Control panel · Hydraulically controlled side guards · Hardened skids · Wearing plates on sliding skids · Bottom cover of the conditioner · Hydraulic safety device · Central suspension · Swath width adjustment · Hydraulic locking mechanism · PTO shaft · Additional knives and knife mounting lever · Road lights · Tool box · Adjustable support legs · **KENNFIXX hydraulic handles**

KDD 911 STH ISOBUS	
Working width [m/ft]	9,10 / 29'10"
Transport width [m/ft]	3,00 / 9'8"
Transport height [m/ft]	3,90 / 12'10"
Hydraulic couplers	LS Power Beyond
Working capacity [ha/h]	~11,00 / 27
Number of discs [pcs]	16
Number of knives[pcs]	32
RPM	1000
3-point hitch cat.	III
Power demand [HP]	200
Weight [kg / lbs]	4000 / 8820

ADVANTAGES OF ALPINA 262 MOWERS

Design

- new generation of ALPINA mower provides even better weight to working width ratio
- new suspension legs improve the material flow
- perfect for mountain and hilly conditions
- minimum ground pressure – relieved by tractor lower links (springs optionally available)

Hitch

- specially designed hitch for vehicles/tractors operating in mountainous conditions (AEBI, REFORM, SAUERBURGER etc.)
- ground following in three different dimensions
- center of gravity is positioned low and close to the tractor
- side shift in optional equipment

Safety guard

- lifted for easier maintenance
- locking mechanism eliminates the need of manual blocking the guard with pins – both at work and during maintenance checks
- safety curtain with automatic tensioning protects against stones
- resistant to weather conditions
- foldable side guard decreases transport width


Intersecting axis gear

- drive transmission through PTO shafts,
- **change of rpm** direction by rotating the main gearbox by 180°
- adjustable gearbox mounting height

Direction of discs rotation

- specially designed direction of rotation to the centre of the cutterbar
- ideal to mow on slopes or in hilly conditions

SwiftCUT cutterbar



OTHER ADVANTAGES OF ALPINA MOWERS

Clean fodder and turf protection	<ul style="list-style-type: none">- stepless cutting height adjustment (from 4 cm to 7 cm)- use of topping plates possible (increases cutting height by 2 cm 2,5 cm or 3 cm)- low-weight - lower pressure on the ground
Operator friendly use	<ul style="list-style-type: none">- foldable side guards for convenient transport- change of rpm possible by reversing main gearbox- operation with tractors with left- or right-hand PTO rpm
Servicing and spare parts	<ul style="list-style-type: none">- low operating costs- most of maintenance works can be done on operator's own
Proven design	<ul style="list-style-type: none">- over 25 years of experience in disc mower manufacturing- own design of <i>SwiftCUT</i> cutterbar tested worldwide- 2-year warranty

OPTIONAL EQUIPMENT

Topping plates



FRONT DISC MOWERS ALPINA 262

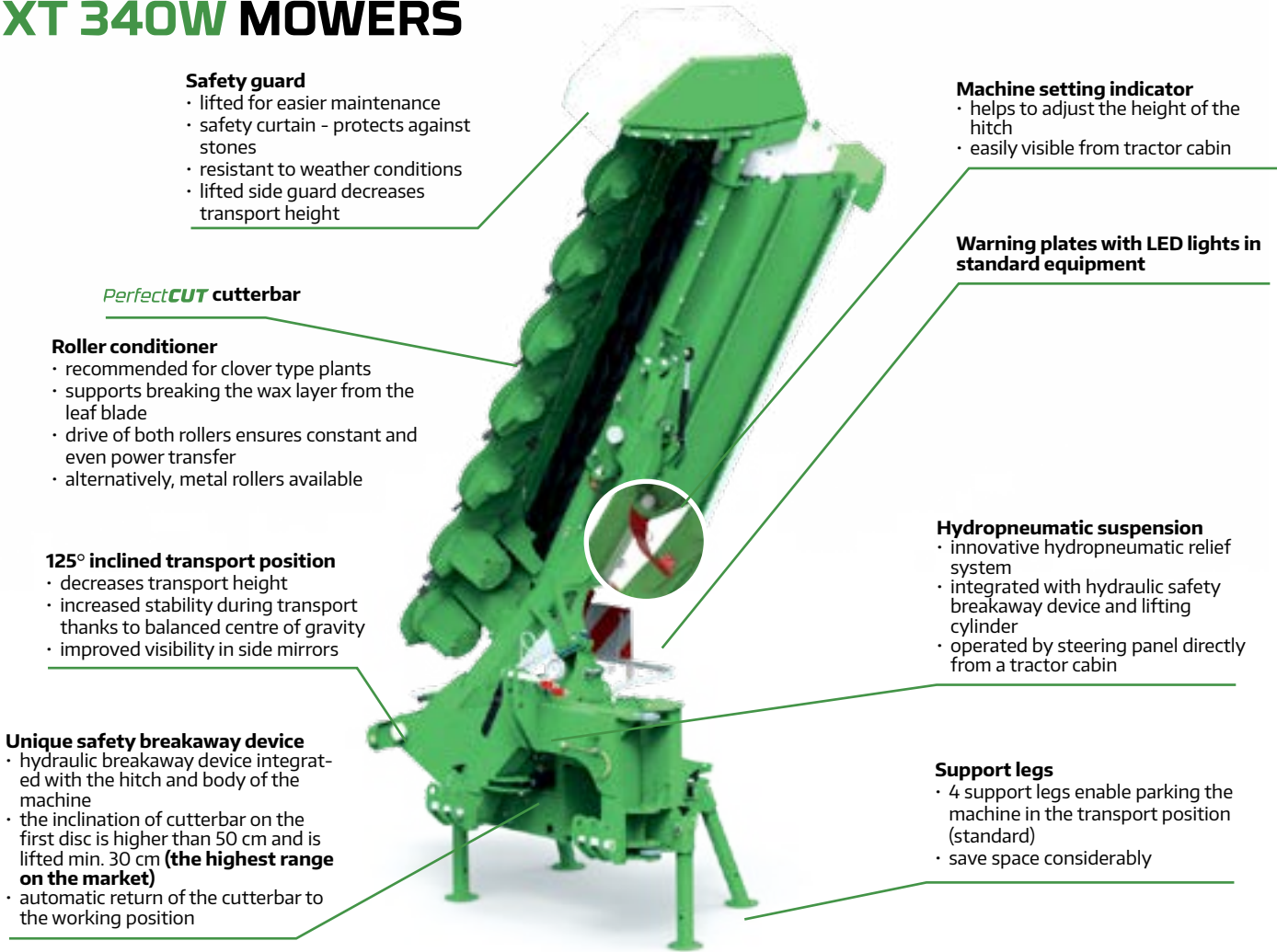
- *SwiftCUT* cutterbar
- push type

Standard equipment:
SwiftCUT cutterbar with quick knife replacement • **SafeGEAR** system • Hardened sliding skids • Stepless cutting height adjustment • PTO shaft • Knife mounting lever • Additional knives

ALPINA 262	
Working width [m / ft]	2,60 / 8'7"
Transport width / height [m / ft]	2,60 / 8'7"
Swath width [m / ft]	~1,90 / 6'2"
Working capacity [ha/h / ha/ac]	~ 2,50 / 6,20
Number of discs / knives [pcs]	6 / 12
RPM	540 or 1000
3-point hitch cat.	I/II
Power demand [HP]	from 60
Weight [kg / lbs]	490 / 1080
PTO shaft	tractor - mower: with friction clutch built in: with overrunning clutch

ALPINA 262	
OPTIONAL EQUIPMENT	Narrow swath cutterbar configuration
	Topping plates [set] [number of discs = number of plates]
	Side shift cylinder
	Warning plates [set]
	LED road lights [set]

ADVANTAGES OF XT 340W MOWERS



OTHER ADVANTAGES OF XT 340W MOWERS

Clean fodder and turf protection	<ul style="list-style-type: none">- stepless regulation of cutting height (from 4,5 cm to 7 cm)- use of topping plates possible (increases cutting height to 6 cm - 9 cm) or double topping plates (increases cutting height to 8 cm - 12 cm)- high level of ground following: + / - 24°
Operator friendly use	<ul style="list-style-type: none">- automatic locking for headlands- hydraulic lifting to headlands and transport- adjustable lower hitch pins for easier attachment with different types of tractors- KENNFIXX hydraulic handles- smooth adjustment of hdropneumatic pressure relief controlled by the steering panel from tractor cabin in standard equipment- 125° transport position- parking of the machine in transport position possible thanks to 4 support legs- storing space saved
Servicing and spare parts	<ul style="list-style-type: none">- low operating costs- most of maintenance works can be done on operator's own
Proven design	<ul style="list-style-type: none">- over 25 years of experience in disc mower manufacturing- own design of PerfectCUT cutterbar tested worldwide- 2-year warranty

OPTIONAL EQUIPMENT

Topping plates / Double Topping plates



REAR DISC MOWERS XT 340W

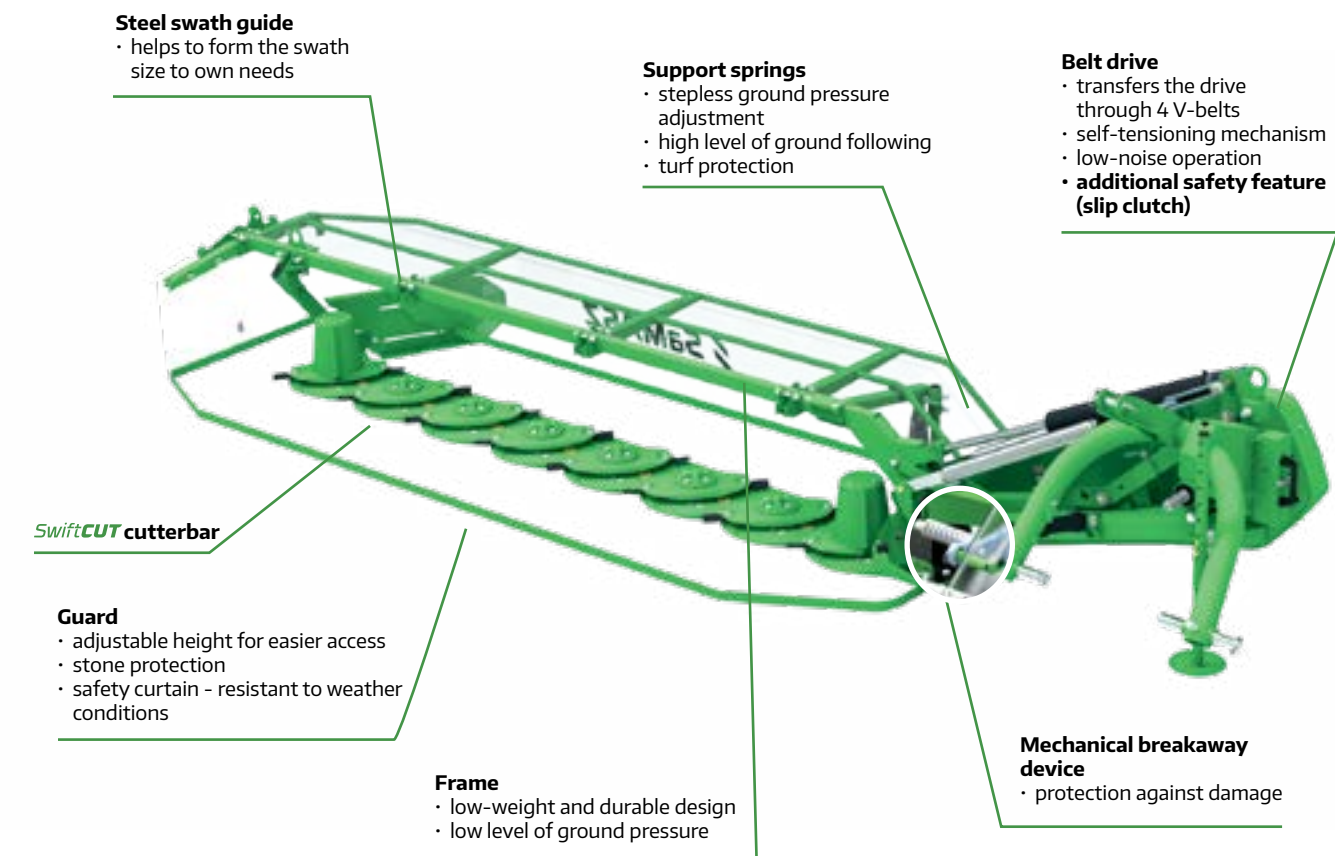
- **PerfectCUT** cutterbar
- central suspension
- roller conditioner

Standard equipment:
PerfectCUT cutterbar with quick knife replcement system · Innovative hydropneumatic pressure relief system · Control panel · **Safe GEAR** system · Hardened skids · Wearing plates on sliding skids · Swath width adjustment · PTO shaft · Adjustable support legs · Warning plates with LED lights · Additional knives and knife mounting lever · KENNFIXX hydraulic handles

TECHNICAL DETAILS	XT 340 W	
	Working width [m / ft]	3,40 / 11'1"
	Transport width / height [m / ft]	2,35 / 3,85 // 7'8" / 12'7"
	Swath width [m / ft]	~1,40 - 2,20 ~4'7" - 7'2"
	Necessary hydraulic couplers	1 x double acting
	Working capacity [ha/h / ac/h]	~ 4,00 / ~ 9,40
	Number of discs / knives [pcs]	8 / 16
	RPM	1000
	3-point hitch cat.	II / III
	Power demand [HP]	from 120
	Weight [kg / lbs]	1600 / 3530
	PTO shaft	tractor - mower: with overrunning clutch + friction; built-in: no clutch

OPTIONAL EQUIPMENT	XT 340 W
	Topping plates [set]
	Double topping plates [set]

ADVANTAGES OF SAMBA 241 MOWERS

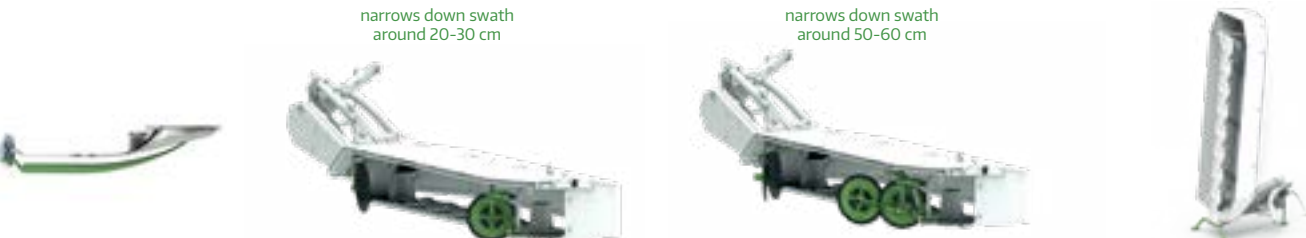


OTHER ADVANTAGES OF SAMBA MOWERS

Clean fodder and turf protection	<ul style="list-style-type: none">- stepless cutting height adjustment (from 4 cm to 7 cm)- use of topping plates possible (increases cutting height 2 cm, 2,5 cm or 3 cm additionally)- high level of ground following: +/- 30°- low-weight design - smaller pressure on the ground
Operator friendly use	<ul style="list-style-type: none">- automatic headland and transport support feature- hydraulic folding- mechanical transport lock- adjustable lower hitch pins facilitate attachment to different types of tractors
Servicing and spare parts	<ul style="list-style-type: none">- low operating costs- most maintenance works can be done on operator's own
Proven design	<ul style="list-style-type: none">- over 25 years of experience in disc mower manufacturing- own design of SwiftCUT cutterbar tested worldwide- 2-year warrant
Farmers' trust	<ul style="list-style-type: none">- within the past 6 years there are over 5 000 SAMBA mowers operating on the fields across the world

OPTIONAL EQUIPMENT

Topping plates Rubber swath guide - single (inner / outer) Rubber swath guide - double (inner / outer) Parking stand



REAR DISC MOWERS SAMBA 241

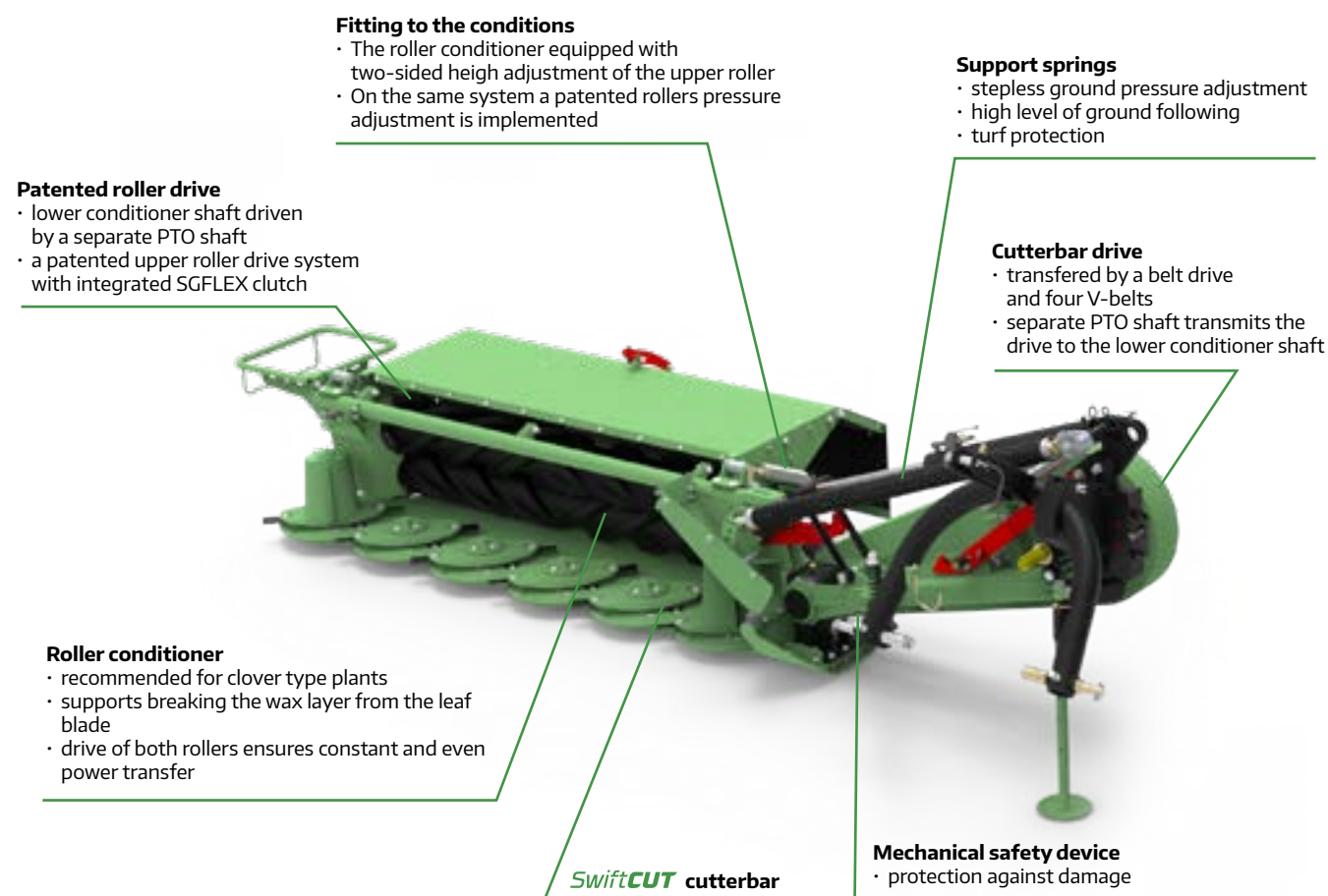
- **SwiftCUT** cutterbar
- side suspension

Standard equipment:
SwiftCUT cutterbar with quick knife replacement system · **SafeGEAR** system · Hardened sliding skids · Mechanical safety device · Cutting height adjustment · Mechanical transport lock · Central knife holder · PTO shaft · Additional knives and knife mounting lever · Adjustable support leg

SAMB A 241	
Working width [m / ft]	2,40 / 7'11"
Transport width / height [m / ft]	1,70 / 3,20 / 5'7" / 10'6"
Swath width [m / ft]	~1,70 / 5'6"
Necessary hydraulic couplers	1 x single acting
Working capacity [ha/h / ac/h]	~ 2,50 / ~ 6,20
Number of discs / knives [pcs]	6 / 12
RPM	540
3-point hitch cat.	II
Power demand [HP]	from 45
Weight [kg / lbs]	490 / 1080
PTO shaft	tractor - mower: with overrunning clutch
Rubber swath guide - single [pcs]	Swath sheet [outer]

SAMB A 241	
OPTIONAL EQUIPMENT	Cutterbar heavy duty kit
	Topping plates [set] [number of discs = number of plates]
	Rubber swath guides - single (inner / outer)
	Rubber swath guides - double (inner / outer)
	Parking stand

ADVANTAGES OF SAMBA 240W DISK MOWERS



OTHER ADVANTAGES OF SAMBA MOWERS

Clean fodder and turf protection	<ul style="list-style-type: none"> - stepless cutting height adjustment (from 4 cm to 7 cm) - use of topping plates possible (increases cutting height 2 cm, 2,5 cm or 3 cm additionally) - high level of ground following: +/- 30° - low-weight design - smaller pressure on the ground
Operator friendly use	<ul style="list-style-type: none"> - automatic headland and transport support feature - hydraulic folding - mechanical transport lock - adjustable lower hitch pins facilitate attachment to different types of tractors - 105° transport position
Roller conditioners	<ul style="list-style-type: none"> - recommended for clover type plants - support breaking the wax layer from the leaf blade - speed up the drying process - eliminates the need of using tedders
Proven design	<ul style="list-style-type: none"> - over 25 years of experience in disc mower manufacturing - own design of <i>SwiftCUT</i> cutterbar tested worldwide - 2-year warrant

REAR DISC MOWERS

- **SwiftCUT** cutterbar
- side suspension
- roller conditioner

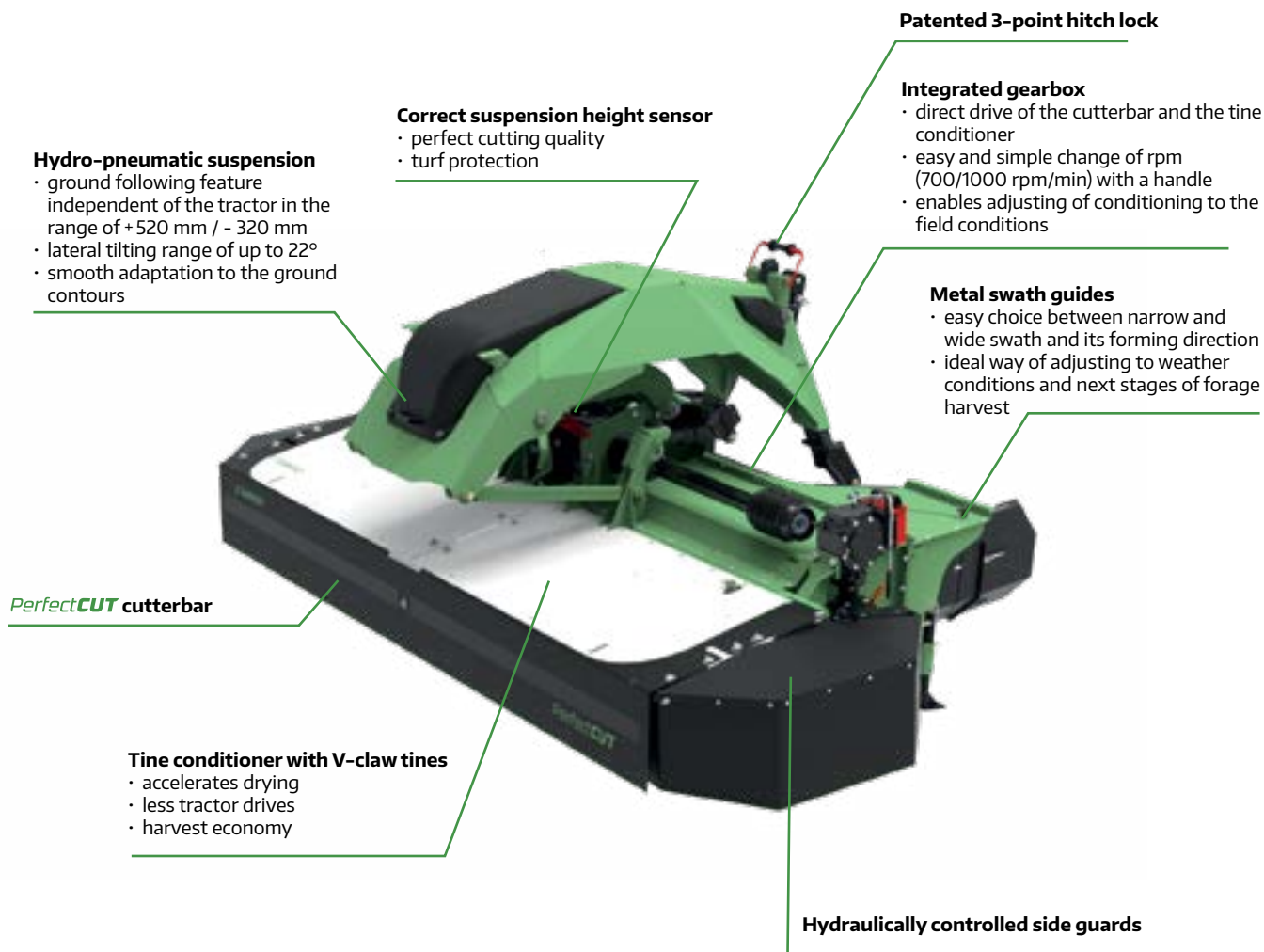
Standard equipment:

SwiftCUT cutterbar with quick knife replacement system • **SafeGEAR** system • Hardened sliding skids • Mechanical safety device • Cutting height adjustment • Mechanical transport lock • Central knife holder • PTO shaft • Additional knives and knife mounting lever • Adjustable support leg

SAMBA 240 W	
Working width [m / ft]	2,40 / 7'10"
Transport width [m / ft]	105 °
Swath width [m / ft]	1,00 - 1,65 / 3'3" - 5'4"
Rollers RPM	810
Rollers width [m / ft]	1,70 / 5'6"
Working capacity [ha/h / ac/h]	2,50 / 6,20
Number of discs [pcs]	6
Number of knives [pcs]	12
RPM	540
3-point hitch cat.	II
Weight [kg / lbs]	850 / 1875

SAMBA 240 W	
OPTIONAL EQUIPMENT	Topping plates [set] [number of discs = number of plates]
	Warning plates with LED road lights [set]

ADVANTAGES OF
XDF 351SH DISK MOWERS



ADVANTAGES

- integrated drive of cutterbar and tine conditioner
- hydro-pneumatic suspension
- new suspension with increased ground following range
- setting of the optimum hitch height by means of control panel
- automatically controlled support leg facilitating attachment to the tractor
- automatic transport hook and hydraulically controlled side guards
- all suspension lubrication points under the machine's centre guard
- automatic locking of machine's mounting triangle

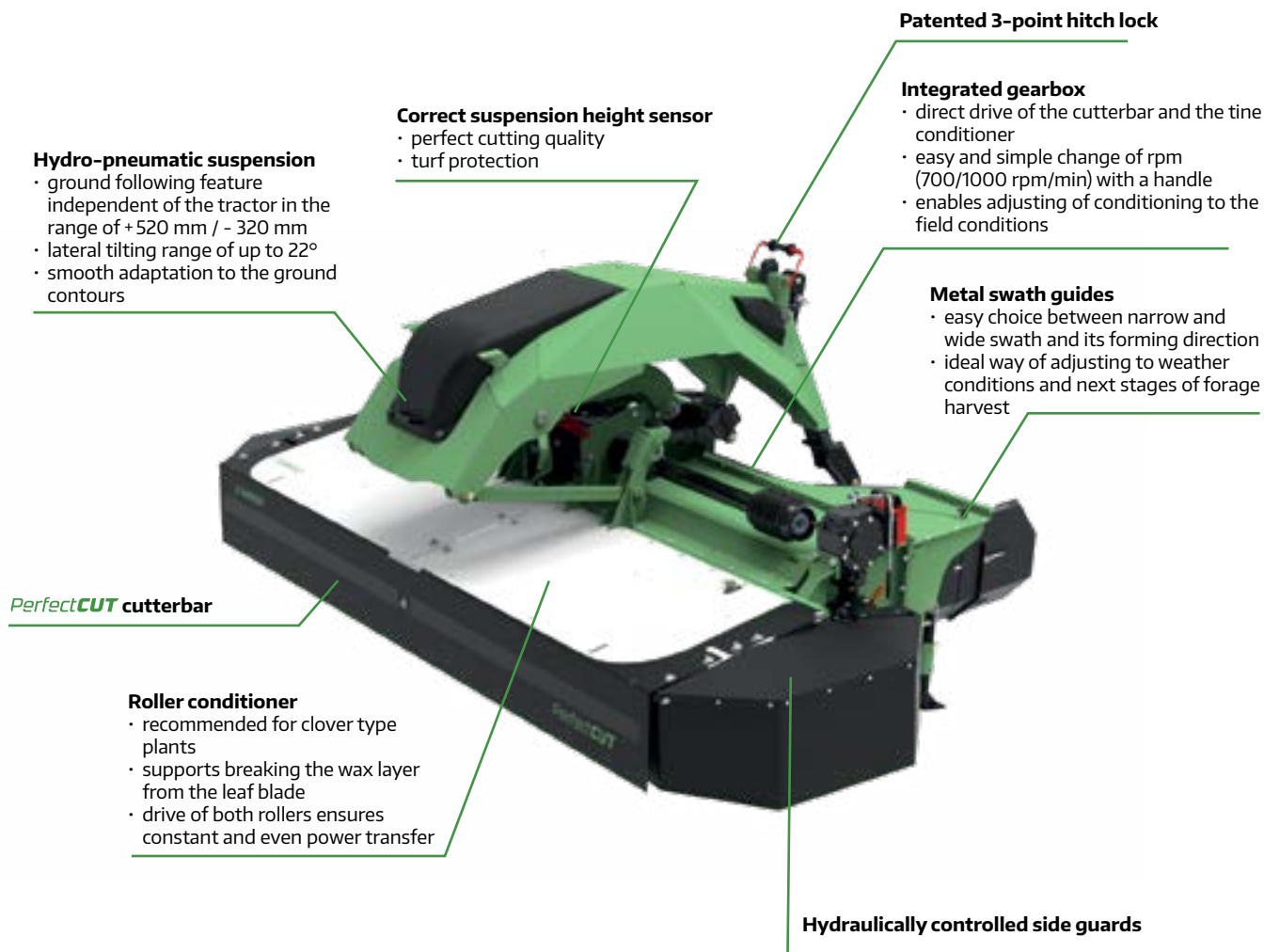
FRONT DISC MOWERS
XDF 351SH

- **PerfectCUT** cutterbar
- pull type
- tine conditioner

Standard equipment:
PerfectCUT cutterbar with quick knife replacement system • **SafeGEAR** system • Tine conditioner • Hardened skids • Wearing plates on sliding skids • Hydro-pneumatic suspension • Control panel • Sensor of the correct setting of the suspension height • Stepless adjustment of working height • Metal swath guides • PTO shaft • Additional knives and knife mounting lever • Front mounting triangle

XDF 351SH	
Working width [m / ft]	3,40 / 11'1"
Number of discs [pcs]	8
Number of knives [pcs]	16
RPM	1000
Power demand [HP]	from 110
Weight [kg / lbs]	1570 / 3460
3-point hitch cat.	II
Working capacity [ha/h ac/h]	~4,00 / 9,00

ADVANTAGES OF
XDF 351WH DISK MOWERS



ADVANTAGES

- integrated drive of cutterbar and roller conditioner
- hydro-pneumatic suspension
- new suspension with increased ground following range
- setting of the optimum hitch height by means of control panel
- automatically controlled support leg facilitating attachment to the tractor
- automatic transport hook and hydraulically controlled side guards
- all suspension lubrication points under the machine's centre guard
- automatic locking of machine's mounting triangle

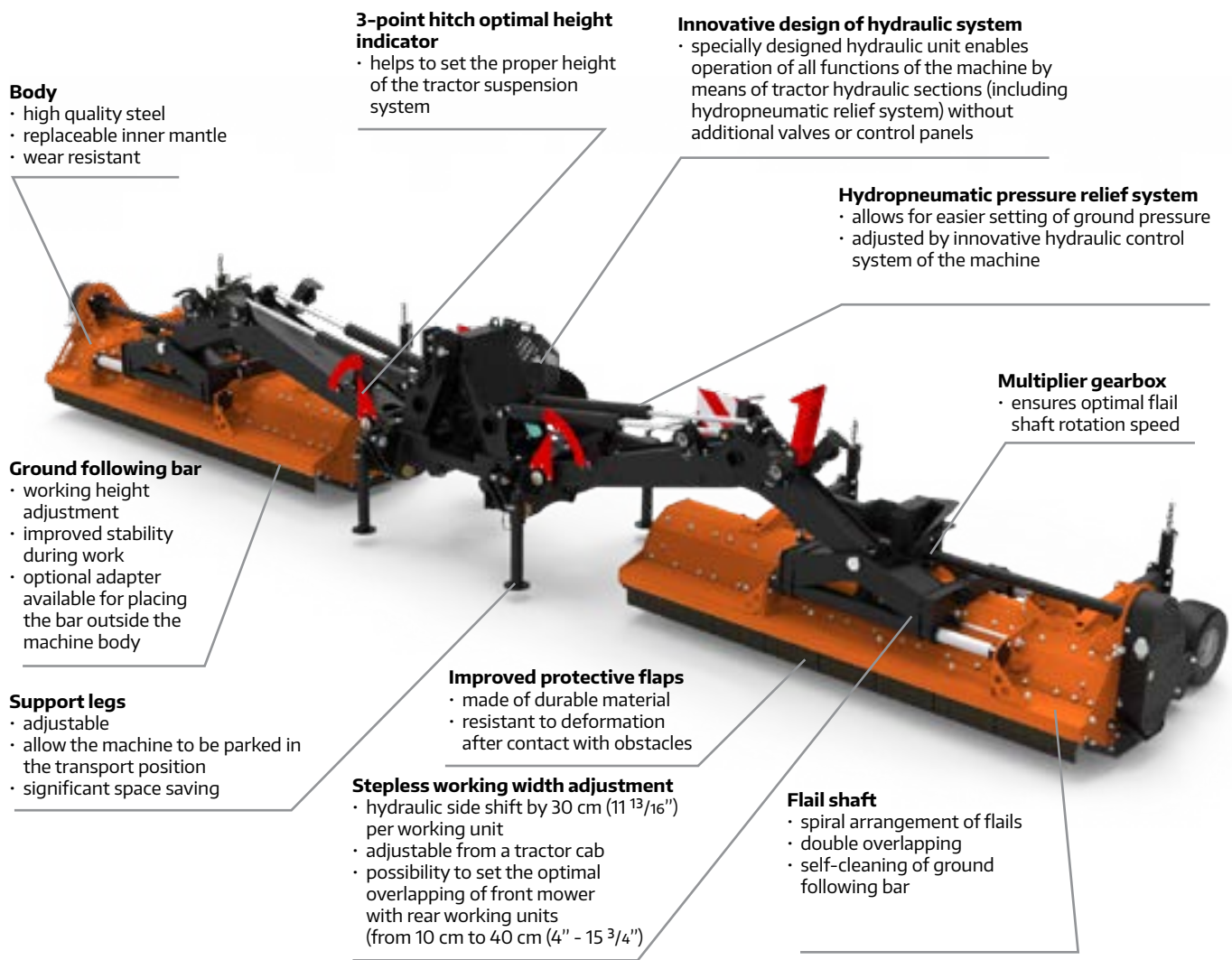
FRONT DISC MOWERS
XDF 351WH

- **PerfectCUT** cutterbar
- pull type
- tine conditioner

Standard equipment:
PerfectCUT cutterbar with quick knife replacement system • **SafeGEAR** system • Tine conditioner • Hardened skids • Wearing plates on sliding skids • Hydro-pneumatic suspension • Control panel • Sensor of the correct setting of the suspension height • Stepless adjustment of working height • Metal swath guides • PTO shaft • Additional knives and knife mounting lever • Front mounting triangle

XDF 351WH	
Working width [m / ft]	3,40 / 11'1"
Number of discs [pcs]	8
Number of knives [pcs]	16
RPM	1000
Power demand [HP]	from 110
Weight [kg / lbs]	1540 / 3395
3-point hitch cat.	II
Working capacity [ha/h ac/h]	~4,00 / 9,00

ADVANTAGES OF
MAMUT 860 TWIN FLAIL MOWERS



OTHER ADVANTAGES OF MAMUT 860 TWIN FLAIL MOWERS

Design	<ul style="list-style-type: none">- designed to operate with MAMUT 280 or MAMUT 300 front mowers- robust and durable construction due to the use of high quality wear resistant steel- shaped body for a perfect flow of mulched material- two-sided rear construction combined with a front mower ensures ideal weight distribution- large working width without exceeding the permissible transport dimensions- very wide horizontal ground following range of +/- 20 cm / 7 7/8"- independent transverse ground following of the working units within +/- 5° range		
Flail shaft	<ul style="list-style-type: none">- automatic cleaning with flails- working height adjustment		
Hydraulic system	<ul style="list-style-type: none">- operated only by levers of the tractor hydraulic sections- dedicated hydraulic block which, by means of sequential control, enables operation of all hydraulic functions without additional panels, electric or mechanical valves- three pairs of double-acting hydraulic couplers to control the machine and all hydraulic functions:<ul style="list-style-type: none">• unfolding / folding• lifting / lowering to headland position• retracting / extending working units• adjustment of hydropneumatic pressure relief system		
Ground following bar	<ul style="list-style-type: none">- automatic cleaning with flails- working height adjustment- optional adapter moves the bar outside the machine so that the mowed material is deposited in front of the bar		
Ground following wheels (option)	<ul style="list-style-type: none">- stepless working height adjustment- 360° wheel rotation range - no need to lift the machine while turning or reversing- less rolling resistance- no risk of material build-up		
Diverse equipment	<ul style="list-style-type: none">- counter-knives:<ul style="list-style-type: none">• replaceable• easier shredding• second row available as option	<ul style="list-style-type: none">- hardened sliding skids:<ul style="list-style-type: none">• protect the machine during drives over obstacles• extend machine life• strengthens the construction	<ul style="list-style-type: none">- warning plates with LED road lights- KENNFIXX hydraulic handles- hitch designed for tractor rear

FLAIL MOWERS
MAMUT 860 TWIN

- SUPER HEAVY CLASS
- TWO-SIDED, REAR

Standard equipment:

Flail shafts with double flail spiral (double overlapping) · Ground following bars (with working height adjustment) · Overload clutch · Replaceable counter-knives · Hardened sliding skids · PTO shaft · Automatic tensioning of V-belts · Protective flaps · Adjustable support legs · Additional, replaceable inner mantles · KENNFIXX hydraulic handles · Working height indicator · Multiplier gearbox · Hydropneumatic pressure relief system · Hydraulic side shift of working units



FLAIL TYPE VI
in standard equipment

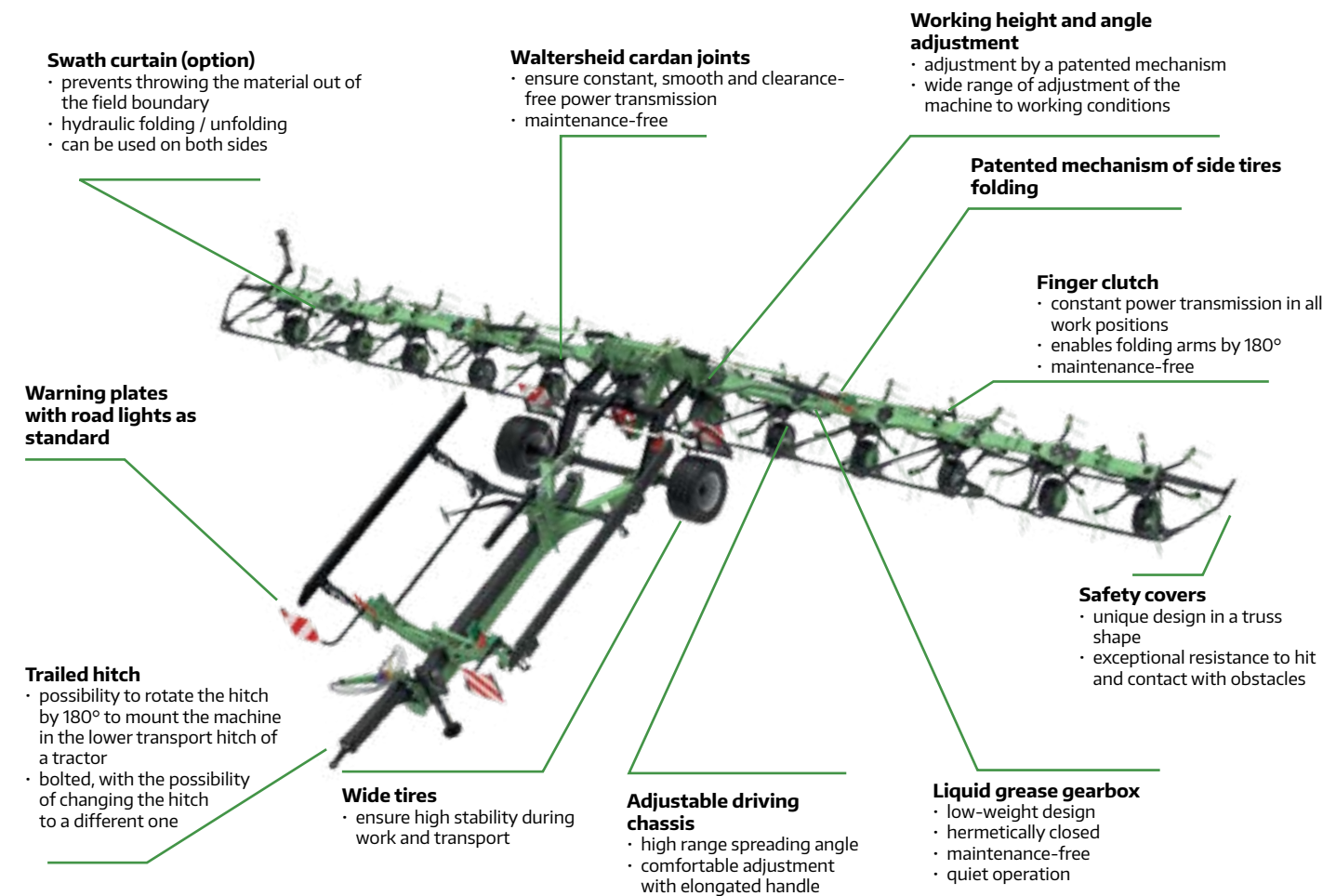
~1,4 kg
(3,1 lbs)

MAMUT 860 TWIN	
Working width [m / ft] *	8,00 - 8,60 / 26'3" - 28'2"
Transport width / height [m / ft]	2,70 / 3'7" / 8'10" / 12'3"
Necessary hydraulic couplers	3 x double acting
Number of flails [pcs]	72 (36x2)
Number of replaceable counter-knives	1 row / 6 pcs (per one working unit)
Number of V-belts	10 (2 x 5 pcs)
Flail shaft diameter [mm / in]	203 / 8"
RPM	1000
Hydraulic side shift [mm / in]	300 / 11 13/16" (per working unit)
Recommended power demand [HP] (with front flail mower MAMUT)	from 230
3-point hitch category	III
PTO shaft	tractor-mower: overload clutch
Max. diameter of branches to be cut [mm / in]	80 / 3 1/5"
Weight [kg / lbs] (without front flail mower MAMUT)	3 460 / 7 628

MAMUT 860 TWIN	
OPTIONAL EQUIPMENT	Ground following wheels
	Protective chains [set]
	Additional row of counter-knives [set]
	Work lights [set]
	Adapter for external placing of ground following bar [set]
	Ground following bar clearing strip [set]

* combined with a front mower

ROTARY TEDDERS - TRAILED
 P12-1330 T



MAIN ADVANTAGES

Adjustable angle of spread



The angle and height of work are adjustable by a patented mechanism. This mechanism limits the extension of the cylinder, which determines the degree of the main frame inclination.

Wheel adjustment



By combining working height adjustment with the possibility of setting wheels in three working positions, the user receives a remarkably wide range of adjusting the machine to prevailing field conditions.

Headland position



The tedder is factory-equipped with a headland mechanism. Firstly, rotors are put upright, and then lifted. Thanks to this design, tines do not dig in the ground, turf is not damaged and harvested forage is much purer.

Ground following



Excellent work performance thanks to very wide range of lateral ground following.

ROTARY TEDDERS - TRAILED
 P12-1330 T

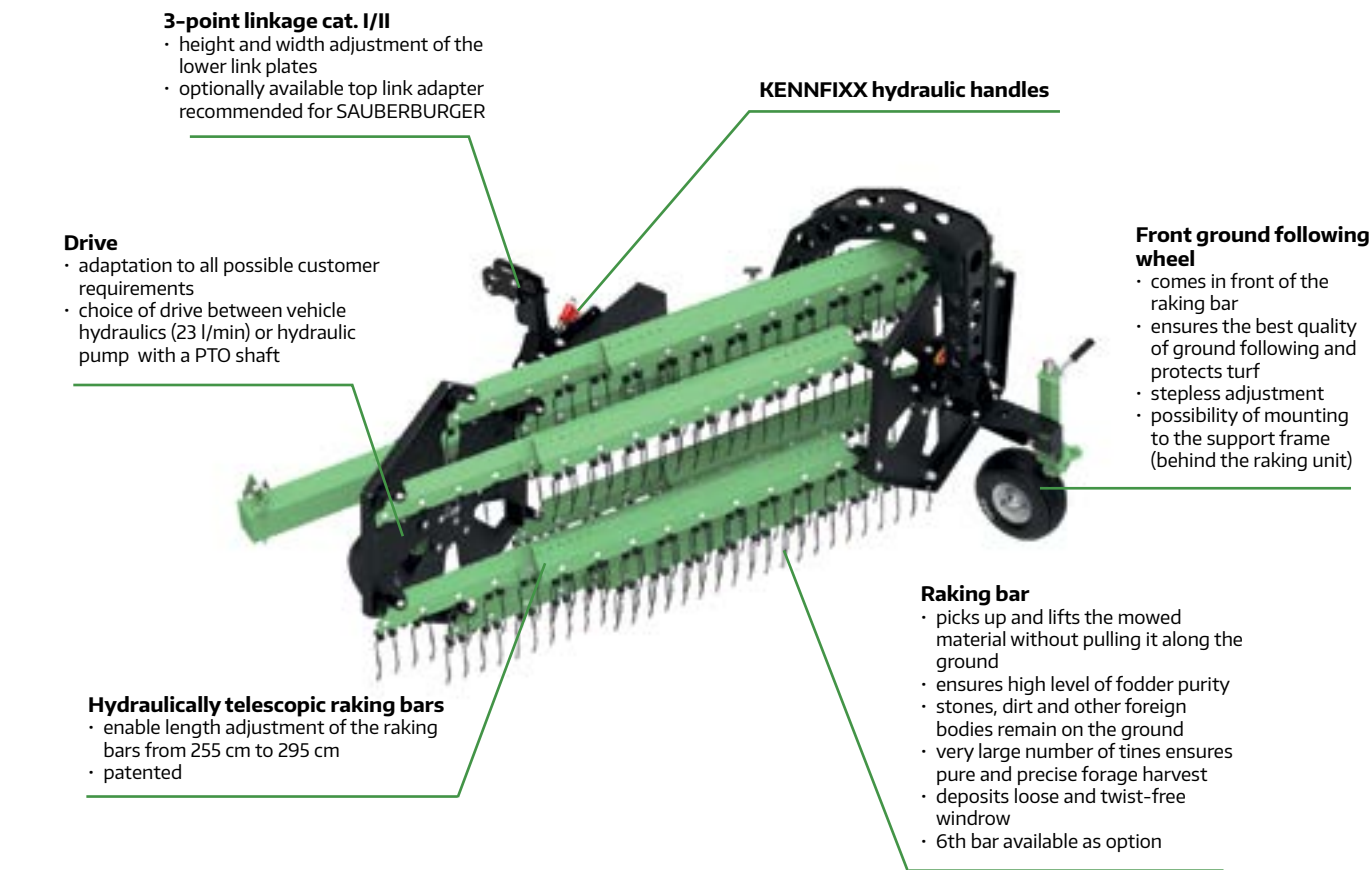
Standard equipment:

Liquid grease gearbox · Hydraulic folding · Cardan joints · Finger clutches · Trailed hitch · Adjustment of working height and approach angle · Headland position · Adjustable angle of spreading · Tine loss protection · Adjustable support leg · Warning plates with LED road lights · PTO shaft · **KENNFIXX** hydraulic handles

	P12-1330 T
Working width [m / ft]	13,30 / 43' 6"
Transport width [m / ft]	3,00 / 9'10"
Transport height [m / ft]	2,70 / 8'10"
Number of rotors [pcs]	12
Necessary hydraulic couplers	2x double acting
Working capacity [ha/h / ac/h]	20 / 50
Number of arms per rotor [pcs]	6
Diameter of rotor with arms [cm / ft]	1,52 / 5'
RPM	540
Hitch type	D40
Power demand [HP]	from 70
Tires	16x6,5-8 x8 (side) 18x8,5-8 x2 (central) 340/55-16 x2 (transport)
Weight [kg / lbs]	2 786 / 6 140
PTO shaft	tractor – tedder: wide-angle with overrunning clutch built-in: with overload clutch

	P12-1330 T
OPTIONAL EQUIPMENT	Swath curtain [pc]
	Spare wheel 16.6,5-8 (inc. mounting)
	Spare wheel 18x8,5-8 (inc. mounting)
	Spare wheel 340/55-16 (inc. mounting)

BASKET RAKE
TWIST 255 MAX



Basket rake TWIST 255 MAX is designed for fast, efficient, and clean raking of hay, straw and forage, especially in mountainous conditions.

It is front-mounted. Distribution direction - right. The rake consists of drum working system equipped with telescopic raking bars, driven from the tractor's hydraulic system by means of a hydraulic engine. The rotation speed is regulated by a special valve. The machine is fitted with wheels with adjustable raking height.

ADVANTAGES

- variable working width,
- clean, thorough raking (hay, straw, forage)
- suitable for mountain vehicles
- quiet, comfortable operation
- thin, flexible tines with increased durability

BASKET RAKE
TWIST 255 MAX

Standard equipment:

Hydraulic drive with stepless adjustment of speed rotation · Hydraulic extension · 2 support wheels (front and rear) · Adjustable (up / down and cat. II to cat. I) lower hitch points · Mechanically adjustable hitch · Working height adjustment · Foldable support leg · **KENNFIXX hydraulic handles**

	TWIST 255 MAX
Working width [m]	2,15-2,95
Swath width [m]	0,8-1,3
Transport width [m]	2,55
Transport height [m]	1,45
Working capacity [ha/h]	~ 4
Raking bars [pcs]	5 (optionally 6)
Drive type	Hydraulic
Pump capacity [l/min]	30
3-point hitch cat.	I/II
Power demand [HP]	from 30
Weight [kg / lbs]	550

	TWIST 255 MAX
OPTIONAL EQUIPMENT	Independent hydraulic power unit with a hydraulic pump for 540 rpm (attachable to tractor shaft)
	Independent hydraulic power unit with a hydraulic pump for 1000 rpm (attachable to tractor shaft)
	Independent hydraulic power unit with a hydraulic pump for 540 rpm (powered by PTO shaft)
	Independent hydraulic power unit with a hydraulic pump for 1000 rpm (powered by PTO shaft)
	Additional ground following wheel (left)
	6th raking bar
	Wind cover
	Support springs
	Swath forming arm
	Swath curtain
	IBEX-type mounting
	Upper hitch point adapter [set]
	Warning plates with LED lights [set]

ADVANTAGES OF TWIST 300 BASKET RAKE

Wind cover (option)

- facilitates raking against wind
- prevents the material from being thrown over tine bars accumulating on the machine
- made of high quality, transparent PVC

Hydraulic drive

- stepless adjustment of rotation speed
- low-noise operation
- no need of PTO shaft

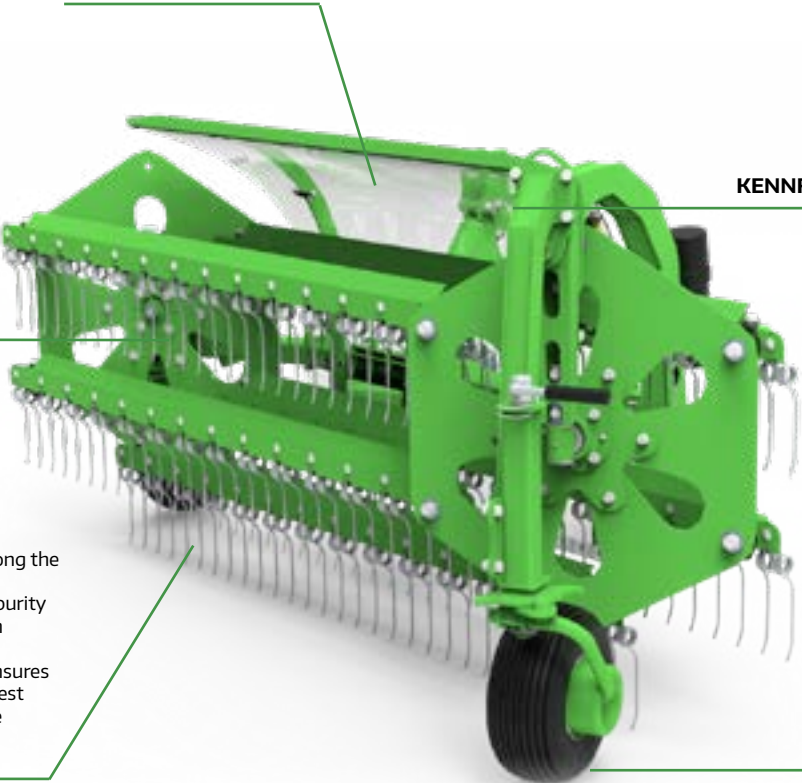
Raking bar

- picks up and lifts the mowed material without pulling it along the ground
- ensures high level of fodder purity
- stones, dirt and other foreign bodies remain on the ground
- very large number of tines ensures pure and precise forage harvest
- deposits loose and twist-free windrow
- 6th bar available as option

KENNFIXX hydraulic handles

Front ground following wheel

- comes in front of the raking bar
- ensures the best quality of ground following and protects turf
- stepless adjustment
- possibility of mounting to the support frame (behind the raking unit)



OTHER ADVANTAGES OF TWIST BASKET RAKE

Clean fodder and turf protection


- tine bar raking system for cleaner fodder increased by 75%
- precise and pure material pick-up thanks to specially profiled raking tines
- design of tine bars prevents stones from getting into the formed windrow
- ground following wheel in front of tine bars ensures perfect handling of the machine and tines

Operator friendly use


- no need of PTO shaft
- KENNFIXX hydraulic handles
- convenient transport of the machine
- machine setting and adjustment is done from tractor cabin
- low weight in comparison to working width

OPTIONAL EQUIPMENT


Wind cover




Swath forming arm




Swath curtain




Upper hitch point adapter



Warning plates with LED lights



Support springs



BASKET RAKE TWIST 300

Standard equipment:
Hydraulic drive with stepless adjustment of speed rotation • 2 support wheels (front and rear) • Adjustable (up / down and cat. II to cat. I) lower hitch points • Mechanically adjustable hitch • Working height adjustment • Foldable support leg • KENNFIXX hydraulic handles

TECHNICAL DETAILS	TWIST 300	
	Working width [m / ft]	2,60 / 8'6"
	Swath width [m / ft]	0,80 - 1,00 / 2'7" - 3'3"
	Transport width / height [m / ft]	3,00 / 1,90 9'10" / 6'2"
	Necessary hydraulic couplers	1 x double acting
	Working capacity [ha/h / ac/h]	3,10 / 7
	Raking bars [pcs]	5 (optionally 6)
	Tines per bar [pcs]	19
	3-point hitch category	I / II
	Power demand [HP]	from 30
	Tires	15 x 6,00 - 6
	Drive type	Hydraulic

Pump capacity [l/min / GPM]	30 / 7
Nominal pressure [bar / MPa]	160 / 16
Weight [kg / lbs]	340 / 750

TWIST 300	
OPTIONAL EQUIPMENT	Independent hydraulic power unit with a hydraulic pump for 540 rpm (attachable to tractor shaft)
	Independent hydraulic power unit with a hydraulic pump for 1000 rpm (attachable to tractor shaft)
	Independent hydraulic power unit with a hydraulic pump for 540 rpm (powered by PTO shaft)
	Independent hydraulic power unit with a hydraulic pump for 1000 rpm (powered by PTO shaft)
	Additional ground following wheel (left)
	6th raking bar
	Wind cover
	Support springs
	Swath forming arm
	Swath curtain
	IBEX-type mounting
	Upper hitch point adapter [set]
Warning plates with LED lights [set]	

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The photographs presented in the catalogue are for illustrative purposes only. The equipment of the machines depends on the individual agreement with the customer and the version of the implementation.

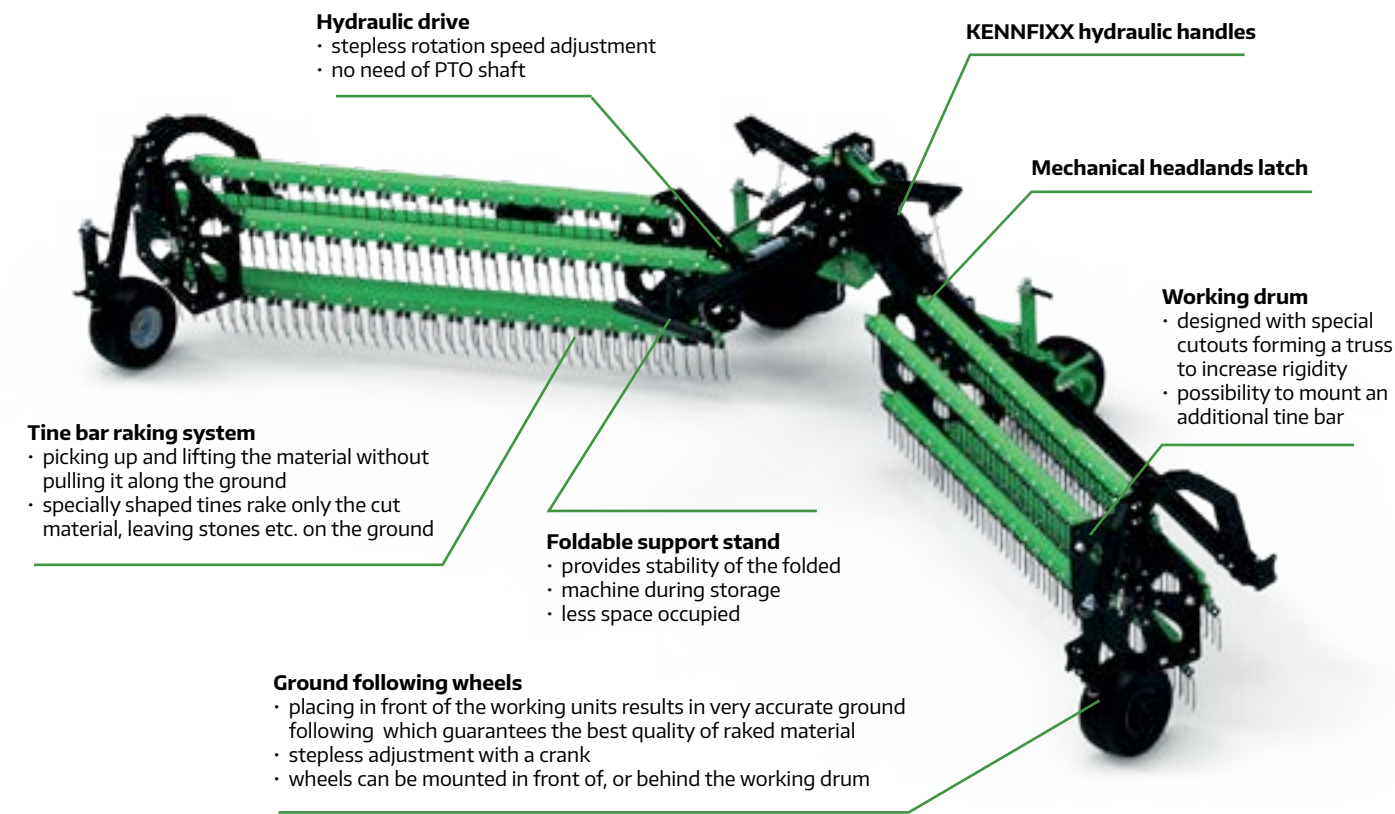
40SaMASZ
YEARS

25

RAKES

RAKES

TWIST 700



TWIST 700 basket-type rake is designed for fast, efficient and clean raking of hay and green fodder. It can be mounted both at the front, or at the back of the tractor. If hitched to the front, raking and baling can be done at the same time. The rake is made of two working units (drums) drivem from the tractor's hydraulics by means of two hydraulic motors. Their rotation speed can be adjusted by a special TVTC valve. The working units of the rake are lifted by two cylinders also driven from the tractor's hydraulics. The arms can be lifted independently thanks to a flow divider with power switching. Optionally it is possible to adjust working width and swath width.

ADVANTAGES

- Possibility of raking and baling (hay, straw, forage) at the same time = time and fuel savings
- Large working width of 6.3 m, extendable to 6.7 m = high capacity
- Possibility of independent lifting of arms into transport position
- Clean raking
- Can be mounted on the front and rear of the tractor
- Comfortable operation
- Thin flexible tines with increased durability

RAKES

TWIST 700

Standard equipment:
Hydraulic drive with rotation speed adjustment • Stepless working height adjustment • Working drums • Raking tines • Working width adjustment • Adjustable and reversible ground following wheels • Foldable support stand • Mechanical transport lock • **KENNFIXX hydraulic handles**

	TWIST 700
Working width min. [m / ft]	6,70 / 21'11"
Working width max. [m / ft]	7,10 / 23'3"
Transport width [m / ft]	2,50 / 8'2"
Height [m / ft]	3,40 / 11'1"
Length [m / ft]	2,90 / 9'6"
Working capacity [ha/h ac/h]	7,1 / 17
Weight [kg / lbs]	1000 / 2200
Swath width [m / ft]	0,80 - 1,30 / 2'7" - 4'3"
3-point hitch cat.	II
Drive	Hydraulic
Necessary hydraulic couplers	2 pairs (drive and folding)
Oil demand [l/min]	30
Nominal pressure	160bar / 16MPa
Number of ground following wheels [pcs]	18,5 x 8,5 - 8
Tires	15x6,5
Number of working drums [pcs]	2
Power demand [hp]	80
Permissible working speed [kph / mph]	10 / 6
Permissible transport speed [kph / mph]	25 / 15

HAY MERGER

MRG 2-900

Controls

- the machine equipped with a 7-inch user-friendly control panel
- all functions operated from a tractor cab

Oil tank inside the frame

Own hydraulic unit

- belt conveyor drive
- relieving tractor hydraulics
- efficient cooler included

Hydropneumatic suspension system

- reducing the machine pressure on the ground
- adjusted by the machine's innovative hydraulic system
- one working unit's ground pressure is only 300 kg (660 lbs)

Belt conveyor

- transports mowed material in desired by the operator direction
- ideal adaptation to any machine picking the material afterwards

Cam pick-up

- special cam design guarantees pick-up of any type of material regardless of its length

Cam raking system

- provides the purest and most efficient raking
- enables achieving very fast speeds of raking

Hitch

- large swivel range (+/- 90°)
- constant PTO shaft angle between the machine and a tractor

Pressing roller

- ensures smooth material flow
- adjustable position in relation to the pick-up

Pump and multiplier gearbox built in in the hitch

POSSIBLE WINDROW DEPOSITIONS



• working width: up to 8,80 m / 28'10"



• working width: up to 10,60 m / 34'9"



• working width: up to 8,80 m / 28'10"



• working width: up to 8,80 m / 28'10"



• working width: up to 10,60 m / 34'9"



• working width: up to 10,60 m / 34'9"

HAY MERGER

MRG 2-900

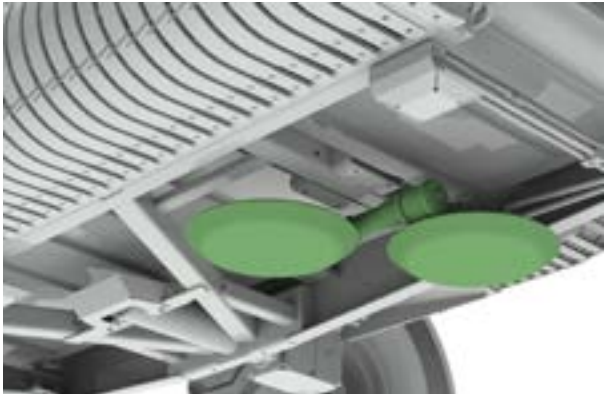
Standard equipment:

Cam pick-up • Control panel • Own hydraulic unit • Pneumatic brakes • Swinging and turnable hitch • Belt conveyors • Pressing rollers • Support rollers • Hydropneumatic relief system • Support legs • Warning plates with LED road lights • PTO shaft

MRG 2-900	
Individual pickup width [m / ft]	3,50 / 11'5"
Continuous pickup width [m / ft]	7,00 / 23'
Working width – windrow deposited centrally [m / ft]	8,80 / 28'10"
Working width – (together with) windrow at the side [m / ft]	up to 8,80 / 28'10"
Working width – windrow centrally and at the side [m / ft]	up to 10,60 / 34'9"
Average windrow width deposited centrally [m / ft]	1,80 / 5'10"
Average windrow width deposited centrally and at the side [m / ft]	1,00 – 1,80 / 3'3" – 5'10"
Possible windrow depositions	6
Number of [pcs]	2
Pickup height adjustment [mm / in]	10 – 80 / 25/64" - 3 5/32"
Drive type	hydraulic
Necessary hydraulic couplers	1 pair
Oil pump efficiency [l./min. / GPM]	30 – 40 / 7 – 10
RPM	540 (400 recommended)
Transport width [m / ft]	2,95 / 9'8"
Transport length [/ ft]	5,60 / 18'4"
Transport height [m / ft]	3,90 / 12'9"
Power demand [HP]	from 150
3-point hitch cat.	II
Tires	340 / 55 / R 16
Weight [kg / lbs]	5 440 / 11 995

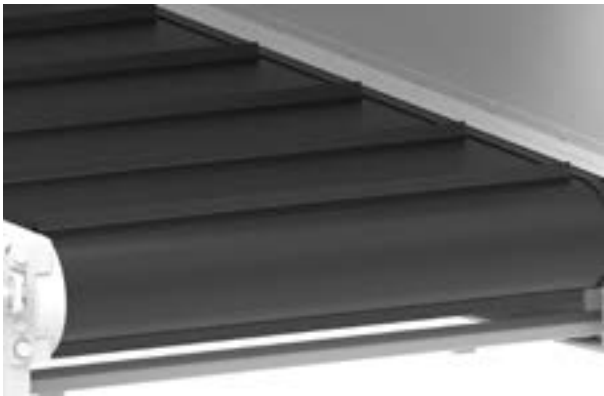
MRG 2-900	
OPTIONAL EQUIPMENT	Sliding plates [set]
	Work light [set]
	ProGRIP conveyor belt[set]
	ProGRIP+ conveyor belt [set]

HAY MERGER
MRG 2-900



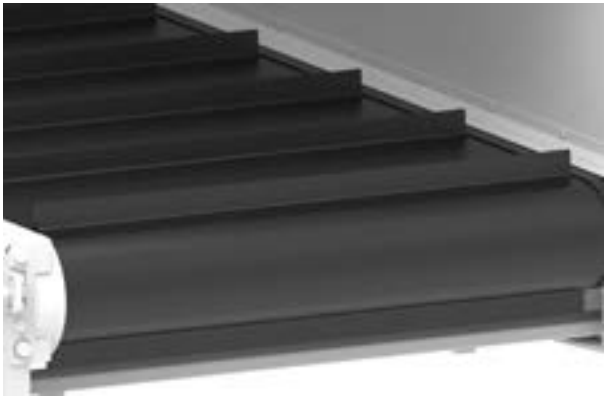
ROTATING SLIDING PLATES

- reducing the pressure of units on ground,
- rotation minimizes friction on the ground
- recommended for wet conditions



ProGRIP CONVEYOR BELT:

- belt made of material of increased roughness
- improve transporting properties of the belt
- recommended for work with dry material



ProGRIP+ CONVEYOR BELT

- belt made of material of increased roughness
- improve transporting properties of the belt
- recommended for work with dry material
- increased height of cleats to 35 mm minimizes the risk of slipping the material



WORK LIGHTS

- 4 LED lamps switched on / off from the control panel

HAY MERGER
MRG 2-900

FIRST SITE

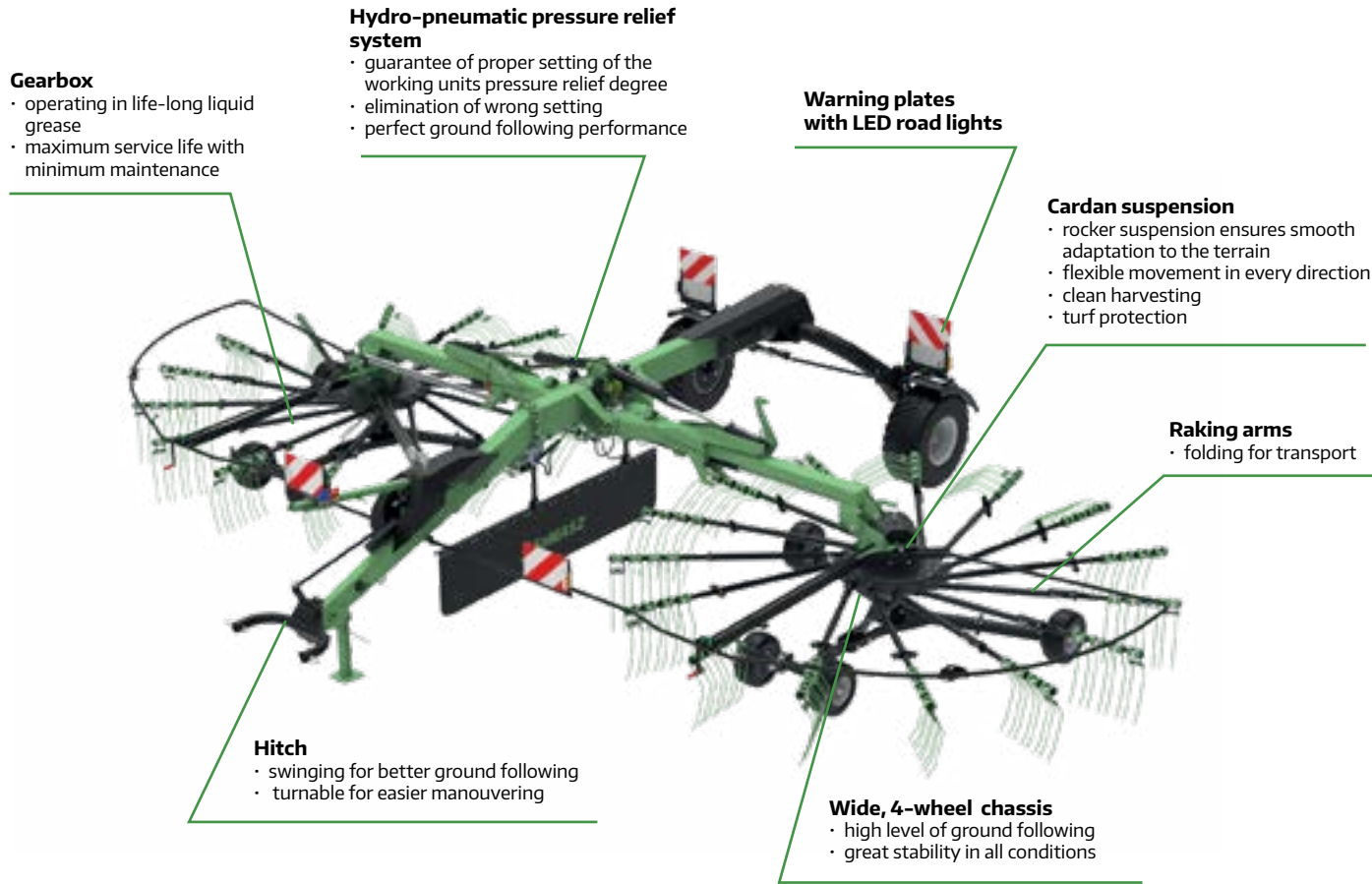


SECOND SITE



RAKES

Z2-960



ADVANTAGES

- Clean fodder and turf protection**

 - tine-arm shape with its layout at the rotor has a great impact on windrow forming
 - precise and clean material pick-up thanks to the shape and profile of the tines
 - anti-loss tine protection
 - additional height adjustment for **soft or firm** fields
 - thanks to applied working units support turf is protected
- Operator friendly use**

 - hydraulic working width adjustment from 8,80 m to 9,60 m
 - convenient transport thanks to foldaway guards
 - great range of ground following
 - mechanical lock for transport and headlands
 - KENNFIX hydraulic connector
 - forced steering system - the machine follows the tractor's track
 - wide, rear wheels ensure stability during transport
- Proven design**

 - over **10 years** of experience in rotary rakes manufacturing
 - **2 year warranty**
 - gearboxes of proven supplier

RAKES

Z2-960

Standard equipment

Liquid grease operating gearbox with replaceable connecting rods · Hydro-pneumatic pressure relief system · Hydraulic folding · Cam wheel adjustment · Tine loss protection · Hydraulic adjustment of windrow width · Swinging hitch · Mechanical latch mechanism for headlands and transport · Working height adjustment · Foldable arms for transport · Warning plates with rear road lights · Wide, 4-wheel tandem chassis · PTO shaft · **KENNFIXX hydraulic handles**

TECHNICAL DETAILS	Z2-960	
	Working width [m / ft]	8,80 - 9,60 / 28'10" - 31'5"
	Transport width [m / ft]	2,95 / 9'8"
	Transport height [m / ft]	3,95 / 12'11"
	Transport length [m / ft]	6,95 / 22'9"
	Working capacity [ha/h ac/h]	13,00 - 14,00 / 32,00 - 34,00
	Necessary hydraulic couplers	2 x double acting
	Number of arms [pcs]	15
	RPM	540
	3-point hitch cat.	II
	Power demand [HP]	from 70
	Tires	transport wheels - 340/55-16 chassis wheels - 16/6,50
	Weight [kg / lbs]	2760 / 6085

OPTIONAL EQUIPMENT	Z2-960	
	4-wheel chassis 18/8,50	
	6-wheel tandem chassis 16/6,50	
	6-wheel tandem chassis 18/8,50	
	Transport wheels 380/55-17	
	Working lights	
	Hydraulic windrow curtain	
	Transport wheel loads	



NEW RELEASES

SEASON 2023-2024



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