



PRODUCT CATALOG
DISC MOWERS

2024



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TOP QUALITY FORAGE WITH SaMASZ MACHINES



The fodder made of grass is one of the best and at the same time the cheapest nourishment for livestock.

By using the proper equipment it is possible to reach the swath, which can be easily processed to very nutritious fodder for cows.

SaMASZ agricultural machines are the **guarantee of reaching the most valuable fodder from the mowed area**. The solutions used in our machines have been developed by SaMASZ engineers for 40 years. For a long time they have been one of the most desired equipment, sought all over the world, because owing to them the fodder will suffice for longer time. It happens, because we have developed the whole technological process of harvest in the slightest detail. Mowing with SaMASZ machines does not damage the turf. The swath is very clean, which increases its energy value. This leads to **real time and money savings** - the expenses are used more efficiently and **the fodder will suffice for longer time**.

SaMASZ CUTTERBARS - THE HEARTS OF DISC MOWERS



Years of experience spent on searching for the best solutions to meet the expectations of customers from all over the world have led to the development of **two separate, proprietary cutterbar designs**. These are nowadays known worldwide as SwiftCUT and PerfectCUT

SwiftCUT and PerfectCUT are the hearts of SaMASZ disc mowers. They **guarantee a clean cut, which is the start of a successful harvesting chain** and profitable work of the farm. As SaMASZ is committed to the highest quality of its products, it provides a 2-year warranty regardless of the size of the farm or the number of hectares mowed.

SwiftCUT CUTTERBAR



SwiftCUT

The SwiftCUT cutterbar is the first choice of users working on smaller areas. It is a bolted design, which is used in SAMBA series of disc mowers. Despite its low-weight construction, the customer receives a fully professional product with solutions known from larger cutterbars, such as quick-knife replacement system and safeGEAR, anti-stone protection.

SwiftCUT CUTTERBAR

SwiftCUT

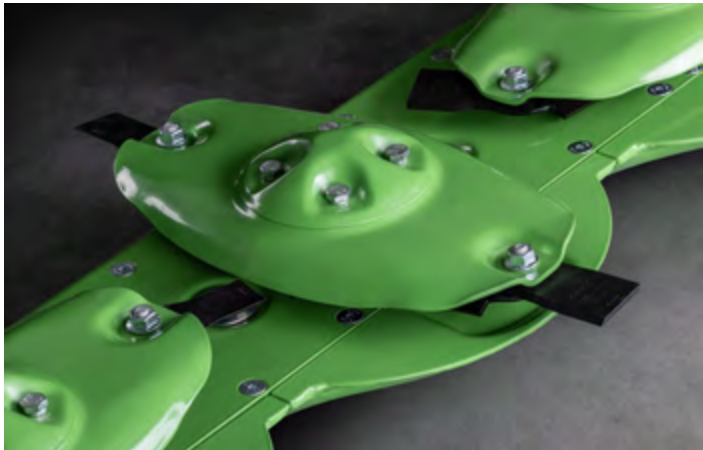
Bolted design

The SwiftCUT cutterbar is the first choice of users working on smaller areas. It is a bolted design, which is used in SAMBA series of disc mowers. Despite its low-weight construction, the customer receives a fully professional product with solutions known from larger cutterbars, such as quick-knife replacement system and safeGEAR, anti-stone protection.



Cutterbar protection

In order to meet the continuously growing demands and expectations of users, top-class components have been used to guarantee long and trouble-free operation. The SwiftCUT cutterbar is protected on the underside by sliding skids that protect 2/3 of its bottom.



safeGEAR System

SafeGEAR - the reliable system that protects the cutterbar from damage.

1. A well thought-out solution
A simple solution in the form of a sheared pin protects gears when the cutting disc hits an obstacle.
2. Economy and efficiency
In the event of an impact, the pin in the drive module is sheared off and, once replaced, the module is reusable. This not only saves time, effort and money, but also increases the efficiency of the machine's operation.



Low power demand

Compact and low-weight design of the SwiftCUT cutterbar plays a significant part in the low fuel consumption and low power requirement of the tractor, which translates into economic benefits. For example, only 60 hp is required to operate Samba 280 mower (working width 2,8 m / 9'2").



Professional solutions for small-sized farms

Thanks to its well-thought-out design, users can benefit from a professional cutterbar with features such as SafeGEAR stone protection and a quick-knife replacement system.



Quick knife replacement system

Using dedicated lever, the knives in the entire cutting unit can be replaced in a matter of minutes without the use of additional tools. What is more, the knife is mounted on a special holder whose shape significantly reduces the chances of losing it during mowing.



- Disc module with SafeGEAR system
- Quick knife replacement system
- Replaceable knife pins of special profiling
- 360° range of knife rotation
- Hardened discs
- Hardened sliding skids covering bottom of the cutterbar
- Hardened gearbox slide
- Optional topping plates raising cutting height by up to 30 mm (1")



DISC MOWERS

SAMBA



Discover advantages of the SAMBA disc mowers! Low-weight and user-friendly design offer the customer a high level of comfort of work and side suspension of the working unit enables effective operation even on slopes.

Machine category

- Rear-mounted
- Side suspension
- **SwiftCUT** cutterbar

Model name

- SAMBA 161
- SAMBA 201
- SAMBA 241
- SAMBA 281
- SAMBA 321

Working width

- 1,60 m / 5'2"
- 2,00 m / 6'7"
- 2,40 m / 7'11"
- 2,80 m / 9'2"
- 3,20 m / 10'5"

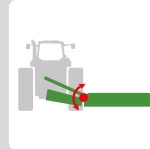
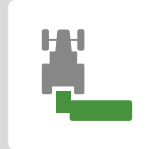
Power demand

- from 20 HP
- from 30 HP
- from 45 HP
- from 60 HP
- from 75 HP

See the mower at work



SAMBA



SwiftCUT
cutterbar

E-COAT

Side suspension

Low-weight and user-friendly design offers the operator a high level of working comfort. A mechanical headland limiter prevents the machine from uncontrolled folding up for transport. An important feature of the side-mounted cutterbar is the ability to work on slopes, embankments and hillsides.

SwiftCUT cutterbar

All SAMBA mowers have been equipped with a low-weight, bolted yet reliable SwiftCUT cutterbar. All SAMBA mowers have been equipped with a lightweight, bolt-on yet reliable SwiftCUT bar. Using SwiftCUT enables users with smaller areas to benefit from professional features, such as quick knife replacement and anti-stone protection system.



Hitch

A distinctive feature of the hitch on the SAMBA mowers is that the lower pins can be adjusted, allowing the mower to be adapted to different tractors. The support foot attachment is integrated into the hitch.



Mechanical breakaway device

The mower features mechanical protection system that engages when an obstacle is encountered. The machine moves backwards, giving an operator a signal to stop the machine to avoid major damages.



Swath guides

A single metal guide comes with standard equipment of the Samba mower. There is also a possibility to equip the machine with optional single or double rubber guides.





Protective cover

Easy and tool-free access to the cutterbar. It facilitates maintenance works and cleaning of the cutterbar. Both the front and rear parts are foldable.

Parking stand

An optional stand makes it possible to store the machine in the transport position, considerably saving storage space



		SAMBA 160	SAMBA 200	SAMBA 240	SAMBA 280	SAMBA 320
Working width	[m / ft]	1,60 / 5'2"	2,00 / 6'7"	2,40 / 7'11"	2,80 / 9'2"	3,20 / 10'5"
Transport width	[m / ft]	1,70 / 5'7"	1,70 / 5'7"	1,70 / 5'7"	1,70 / 5'7"	1,70 / 5'7"
Transport height	[m / ft]	2,45 / 8'	2,85 / 9'4"	3,20 / 10'6"	3,60 / 11'9"	3,95 / 12'12"
Swath width	[m / ft]	~ 1,10 / 3'7"	~ 1,50 / 4'11"	~ 1,70 / 5'6"	~ 2,20 / 7'4"	~ 2,60 / 8'6"
Necessary hydraulic couplers		1 x single acting				
Working capacity	[ha/h ac/h]	~ 1,50 / ~ 3,70	~ 2,00 / ~ 5,00	~ 2,50 / ~ 6,20	~ 3,00 / ~ 7,00	~ 3,50 / ~ 8,65
Number of discs	[pcs.]	4	5	6	7	8
Number of knives	[pcs.]	8	10	12	14	16
RPM		540				1000 (540 option)
3-point hitch cat.		II / I as option			II	
Power demand	[HP]	from 25	from 30	from 45	from 60	from 75
Weight	[kg / lbs]	410 / 905	445 / 980	490 / 1080	520 / 1145	580 / 1280
PTO shaft		tractor - mower: with overrunning clutch				
Swath guides	pcs..	Swath sheet [outer]				



PerfectCUT CUTTERBAR



PerfectCUT

PerfectCUT cutterbar is a product that is internationally recognised in the agricultural industry. Welded design is the foundation of this cutterbar, which has repeatedly been described as the most robust cutterbar on the market. Its reliability and ability to work efficiently for hours and hours efficiently have made mowers equipped with the PerfectCUT cutterbar the preferred choice of tens of thousands of professionals on all continents of the world.

Reliable design

Welded design, wide slides, factory-equipped wear plates and a cast insert - these are the 4 main components that contribute to the high durability and rigidity of the PerfectCUT cutterbar. The leak-proofness is guaranteed by immersion tests carried out each time. In addition, each stage of the cutterbar assembly is supervised by an advanced quality control system, which guarantees repeatable production.



300% of protection

The PerfectCUT cutting unit has been designed for maximum long and trouble-free operation. The underside of the bar is doubly protected by sliding skids and wear plates made from a special type of steel.



safeGEAR System

SafeGEAR - the reliable system that protects the cutterbar from damage.

1. A well thought-out solution
A simple solution in the form of a sheared pin protects gears when the cutting disc hits an obstacle.
2. Economy and efficiency
In the event of an impact, the pin in the drive module is sheared off and, once replaced, the module is reusable. This not only saves time, effort and money, but also increases the efficiency of the machine's operation.



Superior cutting quality

The perfected geometry of the blade trajectory combined with the profiled insert, allow for optimum cutting quality and therefore clean swath. As a result, all subsequent machines in the forage harvesting chain can work more efficiently. This affects the quality of the forage, which ultimately results in herd productivity and profitability.



Quick knife replacemtn system

PerfectCUT cutterbars feature quick replacement of knives thanks to the central knife holder. Its precise profiling enhances the self-cleaning effect of the cutterbar. The specially shaped pin design significantly reduces the risk of losing cutting knives during work. The Geomet coating used extends its service life and increases its resistance to wear.



Topping plates

Optional topping plates (single or double) are also available, which work well in fields with lots of stones. Mounted easily and quickly in place of the wear plate, they increase the mowing height by up to 12 cm ($4\frac{23}{32}$ ").

- Disc module with SafeGEAR system
- Quick-knife replacement system
- Replaceable knife pins of special profiling
- 360° range of knife rotation
- Hardened discs
- Replaceable insert
- Double underside protection with hardened slides and wear plates as standard
- Optional single or double topping plates raising cutting heigh by up to 12 cm ($4\frac{23}{32}$ ")



CONDITIONERS IN DISC MOWERS



Conditioner – a tool for efficient harvesting of forage. A key element that will be appreciated by users who want to speed up the drying process of mowed material, eliminating the need for tedding. They are available in two variants: a flail conditioner and a roller conditioner, and allow to suit to individual needs of a user ensuring unique benefits when harvesting plants.

FLAIL CONDITIONER

A flail conditioner stands out with its excellent aeration of mown forage and its ability to handle large quantities of plant matter. When it encounters an obstacle or a foreign body, the specially shaped notch in a flail eliminates its impact on the shaft. This type of conditioner also provides excellent loosening and aeration of the green mass with minimal load on a tractor.



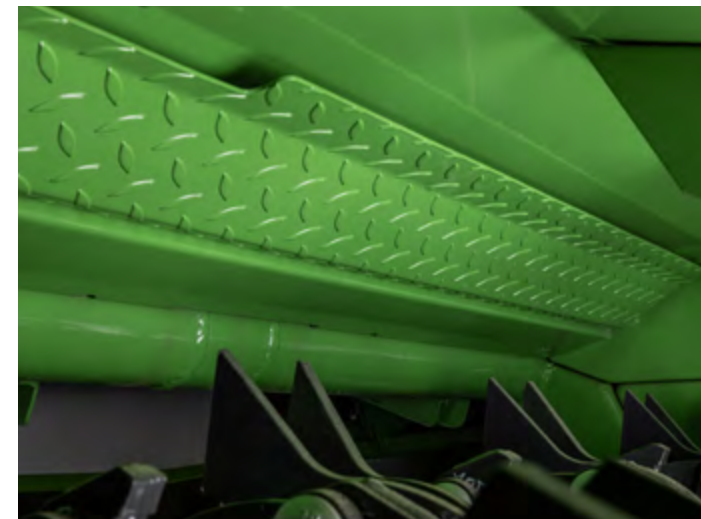
V-claw flails

- swinging mounting allows tine to move back when it comes across an obstacle
- increased durability of bolts owing to limited range of tine's movement
- increased loosening intensity due to the aggressive angle of attack
- spacing of the tines across the whole width of the cutterbar guarantees constant flow and perfect pick-up of the material
- double helical spacing enables uniform conditioning



Adjustment of conditioning intensity

- corrugated upper housing with 7-step adjustment
- possibility to adjust intensity to individual needs
- easy, quick and tool-free adjustment



Metal swath guides

- a choice between narrow and wide swath configuration
- possibility of choosing direction of deposited swath
- ideal way of adjusting to weather conditions, and
- next stages of forage harvest



Integrated gearbox

- adjustment of conditioner rotation to the amount of forage and intensity of conditioning (700 / 100 rpm)
- direct drive transmission (KT, KDTC, KDD)



ROLLER CONDITIONER

A roller conditioner is dedicated to users working with legumes and hard-stemmed grasses, such as sorghum. The crushing process reduces material drying time by about 25%, which helps to preserve the high protein content of the crop. Active drive of both rollers ensures very effective and constant running. Adjustable pressure on the roller allows to adjust the volume of material flow. There is a choice between a rubber or a metal roller conditioner so that the customer can tailor the machine to individual needs.



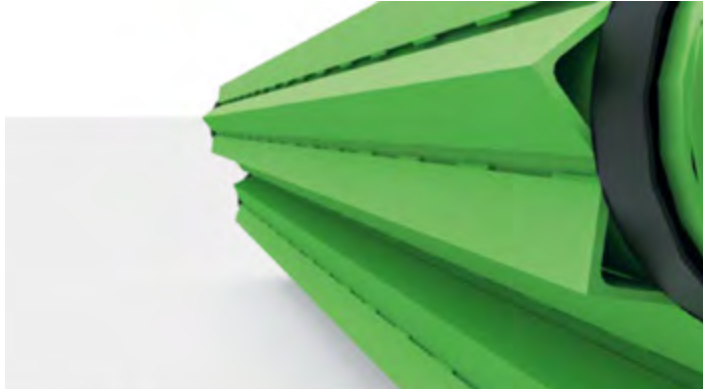
Rubber rollers

The overlapping V-shaped design of the rubber rollers significantly improves the consistency and smoothness of the material flow. The higher and more aggressive profile of the rollers actively influences the conditioning of the legume plants, while protecting their valuable parts. The rollers surface is composed of segments, so in case of damage, only one of them needs to be replaced and not the whole roller.



Metal rollers

The metal version of the rollers with a toothed profile is ideal for work on plants with particularly tough stems (e.g. Sudanese sorghum). The conditioned material retains the nutritional value of the leaves and speeds up the drying process of the forage, which saves time and money.



Active drive of roller conditioners

- drive of the conditioner is transmitted simultaneously with cutterbar
- both upper and lower roller are actively driven
- simultaneous drive of both rollers by means of belt and tooth gearbox
- great effectiveness of operation regardless of



Upper roller conditioner shock absorption

- spring mechanism enables constant flow of the material even with irregular amount of the swath
- stepless adjustment of the pressure makes it easy to adjust the conditioner to the type and amount of the material
- works as the additional protection enabling the stones to pass without damaging the rollers (max. Ø 6 to 7 cm / $2\frac{23}{64}$ " to $2\frac{3}{4}$ ")



Metal swath guides

- stepless adjustment of swath width
- enable choice of swath forming direction

DISC MOWERS

KDT



The first disc mower, which started the era of SaMASZ disc mowers. They have been present in the SaMASZ offer for over 20 years and gained many of satisfied customers all over the world. Simple but durable design perfectly performs under difficult conditions in medium-sized farms.

- Machine category
- Rear-mounted
 - Side suspension
 - **PerfectCUT** cutterbar

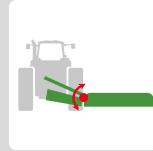
- Model name
- KDT 220
 - KDT 260
 - KDT 300
 - KDT 340
 - KDT 341

- Working width
- 2,20 m / 7'2"
 - 2,60 m / 8'7"
 - 3,00 m / 9'10"
 - 3,40 m / 11'2"
 - 3,40 m / 11'2"

- Power demand
- from 60 HP
 - from 75 HP
 - from 80 HP
 - from 95 HP
 - from 95 HP

See the mower at work





PerfectCUT
cutterbar

E-COAT

Side suspension

The popular side suspension is characterised by its simple design and easy operation. Safe and easy transport is achieved by securing the machine with a mechanical latch. This allows stable transport on uneven ground, and additionally facilitates manoeuvring on headlands.



Hitch

Thanks to the adjustable lower link pins, it is possible to fit the mower to different hitch widths.



Mechanical breakaway device

The mower has a mechanical safety device that activates when an obstacle is encountered. The machine swings back, giving the operator a signal to stop the machine.



PerfectCUT cutterbar

KDT mowers are equipped with the professional PerfectCUT cutterbar. The robust, welded construction is ideal for demanding customers.



Two-swath cutterbar configuration

The setup is available on the KDT 341 model, which can optionally be fitted with a special cutterbar with two additional disc drums.



		KDT 220	KDT 260	KDT 300	KDT 340	KDT 341
Working width	[m / ft]	2,20 / 7'2"	2,60 / 8'7"	3,00 / 9'10"	3,40 / 11'2"	3,40 / 11'2"
Transport width	[m / ft]	2,15 / 7'1"	2,15 / 7'1"	2,15 / 7'1"	2,20 / 7'2"	2,20 / 7'2"
Transport height	[m / ft]	2,85 / 9'4"	3,40 / 11'2"	3,75 / 12'3"	4,20 / 13'8"	4,20 / 13'8"
Swath width	[m / ft]	~1,25 - 1,40 / ~4'1" - 4'7"	~1,60 - 1,80 / ~5'2" - 5'10"	~1,90 - 2,25 / ~6'2" - 7'2"	~1,60 - 2,60 / ~5'2" - 8'8"	~2,50 - 2,70 / ~8'2" - 8'10"
Necessary hydraulic couplers		1 x single acting				
Working capacity	[ha/h / ac/h]	~ 2,50 / ~ 6,20	~ 3,00 / ~ 7,40	~ 3,50 / ~ 8,70	~ 4,00 / ~ 10,00	~ 4,00 / ~ 10,00
Number of discs	[pcs.]	5	6	7	8	8
Number of knives	[pcs.]	10	12	14	16	16
RPM		540	540	540	540	540
3-point hitch cat.		II				
Power demand	[HP]	from 60	from 75	from 80	from 95	from 95
Weight	[kg / lbs]	680 / 1500	740 / 1630	810 / 1785	860 / 1895	836 / 1845
PTO shaft		tractor - mower: with overrunning clutch				
Single rubber swath guides	[pcs.]	2	1	-	-	2
Double rubber swath guides	[pcs.]	-	1	2	2	-

DISC MOWERS
KT



The KT series of disc mowers will be ideal choice for more demanding users. The unique hitch design distinguishes the machine with additional transport and parking positions. In addition, the mower can be fitted with a hydropneumatic pressure relief system to facilitate adjustment of the pressure of the PerfectCUT cutterbar on the ground.

Machine category

- Rear-mounted
- Central suspension
- **PerfectCUT** cutterbar

Model name

- KT 261
- KT 301
- KT 341

Working width

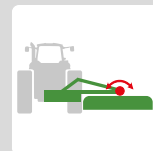
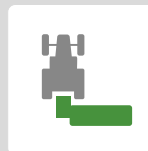
- 2,60 m / 8'7"
- 3,00 m / 9'10"
- 3,40 m / 11'2"

Power demand

- from 80 HP
- from 95 HP
- from 105 HP

See the mower at work





PerfectCUT
cutterbar

E-COAT

Transport and parking positions

The special design of the suspension arm of the cutting unit allows transport in three different positions.



Hydropneumatic pressure relief system

The mower has spring suspension as standard equipment. As an option, the KT mower can be equipped with hydropneumatic pressure relief system, which features stepless adjustment of the working unit's pressure on the ground directly from the tractor cab using the control panel, even during work. The ground pressure is uniform over the entire working width, regardless of the terrain.

There is a pressure manometer on the hitch of the mower enabling the operator to adjust the machine quickly and easily.



Transport lock

Another patented solution of the KT model is the locking mechanism for transport. It prevents from uncontrolled movements of the cutting unit during transportation, increasing the stability of the mower and safety on roads.



KENNFIXX hydraulic handles

KENNFIXX type handles are included as standard. They facilitate attachment of the mower hydraulics to the sections of the tractor. When the machine is uncoupled, the hydraulic hoses are placed into special holders that protect hydraulic connections from dirt. The two-colour marking helps the operator to distinguish between the hoses.



Integrated gearbox

Mowers equipped with a tine conditioner (KT S) have a 2-speed integrated transmission. Change of shaft speed from 700 to 1,000 rpm is carried out using a lever located on the gearbox. This allows the operator to adjust the conditioning intensity to suit their needs.



KT S

In addition to the standard KT model, KT S version equipped with a flail conditioner is also available. The result of its use is faster drying process of the mowed material and no need for a tedder.



KT WH

A KT WH version with a roller conditioner is also available. An excellent choice for working with legumes and hard-stemmed grasses such as sorghum. In addition, the KT WH model is equipped with hydropneumatic pressure relief as standard equipment.



		KT 261	KT 301	KT 341
Working width	[m / ft]	2,60 / 8'7"	3,00 / 9'10"	3,40 / 11'2"
Transport width	[m / ft]	2,00 / 6'7"	2,00 / 6'7"	2,00 / 6'7"
Transport height	[m / ft]	3,10 / 10'2"	3,50 / 11'6"	4,20 / 13'8"
Swath width	[m / ft]	~1,80 / ~5'10"	~2,10 - 2,25 / 6'10" - 7'4"	~2,50 - 2,70 / ~8'2" - 8'10"
Necessary hydraulic couplers		2 x double acting (spring suspension) 1 x double acting + 1 x single acting (optional hydropneumatic suspension)		
Working capacity	[ha/h / ac/h]	~ 2,80 / ~ 7,00	~ 3,50 / ~ 8,70	~ 4,00 / ~ 10,00
Number of discs	[pcs.]	6	7	8
Number of knives	[pcs.]	12	14	16
RPM		540 (1000 - option)		
3-point hitch cat.		II		
Power demand	[HP]	from 80	from 95	from 105
Weight	[kg / lbs]	1040 / 2295	1106 / 2440	1164 / 2565
Weight	[kg / lbs]	995 / 2195	1055 / 2325	1125 / 2480
PTO shaft		tractor - mower: with friction overrunning clutch, built in: no clutch		
Single rubber swath guides	[pcs.]	1	2	2

		KT 301S	KT 301WH
Working width	[m / ft]	3,00 / 9'10"	3,00 / 9'10"
Transport width	[m / ft]	2,00 / 6'7"	2,00 / 6'7"
Transport height	[m / ft]	3,50 / 11'6"	3,50 / 11'6"
Swath width	[m / ft]	~1,60 - 2,20 / ~ 6'2" - 7'2"	~1,40 - 1,90 / ~ 4'7" - 6'2"
Necessary hydraulic couplers		2 x double acting (spring suspension) 1 x double acting + 1 x single acting (optional hydropneumatic suspension)	2 x single action + 1 x double action
Working capacity	[ha/h / ac/h]	~ 3,50 / ~ 8,70	~ 3,50 / ~ 8,70
Number of discs	[pcs.]	7	7
Number of knives	[pcs.]	14	14
RPM		1000	1000
3-point hitch cat.		II	
Power demand	[HP]	from 110	from 120
Weight	[kg / lbs]	1460 / 3218	1490 / 3285
Weight	[kg / lbs]	1500 / 3305	1468 / 3235
PTO shaft		tractor - mower: with friction overrunning clutch, built in: no clutch	
Swath guides	[pcs.]	Metal swath guides in conditioner	

- S - tine conditioner
- W - roller conditioner

DISC MOWERS
XT



Keeping pace with changing trends and user requirements, an innovative XT series of mowers has been developed. Modern design of the machine is not only about looks, but above all, functionality. The machine stands out with advanced support frame, modern pressure relief system and unique anti-stone protection.

Machine category

- Rear-mounted
- Central suspension
- **PerfectCUT** cutterbar

Model name

- XT 340
- XT 390

Working width

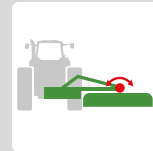
- 3,40 m / 11'2"
- 3,90 m / 12'1"

Power demand

- from 105 HP
- from 120 HP

See the mower at work





PerfectCUT
cutterbar

E-COAT

Suspension

A distinctive feature of the XT series mowers is the transport position angled by 125°. This maintains visibility in both side mirrors of the tractor. What's more, the centre of the entire machine is moved closer to the centre of the tractor, which significantly improves stability and comfort during transport.



Hydropneumatic pressure relief system

The hydropneumatic pressure relief system is distinguished by stepless adjustment of the cutting unit relief. The hydropneumatic system allows convenient yet precise adjustment from the tractor cab. Ground pressure is uniform regardless of the terrain. There is a pressure manometer on the mower frame so that the operator can adjust the machine quickly and easily.



Hitch

Versatile design of category II and III of the 3-point hitch allows the mower to be coupled to medium and large tractors.



Hydraulic safety breakaway device

A unique feature of the XT series is the largest cutterbar swing available on the market. The mechanism protecting the machine from damage is a hydraulic safety device. In the event of contact with an obstacle, the cutting unit tilts at the very first disc by 50 cm ($19\frac{11}{16}$ "), at the same time lifting by 30 cm ($11\frac{13}{16}$ "). The safety device avoids costly damage to the mower during a collision with a foreign body. After passing an obstacle, the mower unit automatically returns to its working position.



Optimal hitch height indicator

In order to properly prepare the machine for work, it is helpful to have indicators that clearly show the correct setting of the hitch height. The red indicators are easily visible to the operator from the tractor cab during mowing.



Support stands

Four support stands allow storing the machine in the transport position, which saves space considerably when the mower is not used.



XT W

XT 340W is a new machine to the SaMASZ range of products. The mower is equipped with a polyurethane roller conditioner. The crushing process reduces material drying time by about 25%, which helps to preserve the high protein content of the crop. In addition, the use of a mower with a roller conditioner does not require the use of a tedder, which results in time and money savings.



TECHNICAL SPECIFICATION

		XT 340	XT 390
Working width	[m / ft]	3,40 / 11'1"	3,90 / 12'1"
Transport width	[m / ft]	2,35 / 7'8"	2,35 / 7'8"
Transport height	[m / ft]	3,85 / 12'7"	3,98 / 13"
Swath width	[m / ft]	~2,10 - 2,25 / ~6'10" - 7'4"	~2,50 - 2,65 / ~8'2" - 8'8"
Necessary hydraulic couplers	[cm]	1 x double acting	
Working capacity	[ha/h / ac/h]	~ 4,00 / ~ 9,40	~ 4,50 / ~ 11,00
Number of discs	[pcs.]	8	9
Number of knives	[pcs.]	16	18
RPM		1000 (540 option)	
3-point hitch cat.		II/III	
Power demand	[HP]	from 105	from 120
Weight	[kg / lbs]	1250 / 2755	1290 / 2845
PTO shaft		tractor - mower: with overrunning clutch + friction; built-in: no clutch	
Single rubber swath guides	[pcs.]	1	

		XT 340 W
Working width	[m / ft]	3,40 / 11'1"
Transport width	[m / ft]	2,35 / 7'8"
Transport height	[m / ft]	3,85 / 12'7"
Swath width	[m / ft]	~1,40 - 2,20 ~4'7" - 7'2"
Necessary hydraulic couplers	[cm]	1 x double acting
Working capacity	[ha/h / ac/h]	~ 4,00 / ~ 9,40
Number of discs	[pcs.]	8
Number of knives	[pcs.]	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

DISC MOWERS
KDC



The KDC series of trailed mowers is a great alternative to 3-point mounted machines as they can work with smaller tractors. Users around the world appreciated the versatility of the machine. The central drawbar allows operation from either the right or left side of the tractor, so the operator can adapt the working method to his own preferences and the shape of the field. An additional advantage is the possibility of creating a combination with a front-mounted mower, which significantly increases working capacity.

Machine category

- Trailed
- **PerfectCUT** cutterbar

Model name

- KDC 300
- KDC 340
- KDC 390
- KDC 430

Working width

- 3,00 m / 9'10"
- 3,40 m / 11'1"
- 3,90 m / 12'9"
- 4,30 m / 14'1"

Power demand

- from 80 HP
- from 90 HP
- from 100 HP
- from 110 HP

See the mower at work





Suspension

A key advantage of the KDC models is the trailed suspension of the PerfectCUT cutterbar. This enables ground following to be performed independently of the tractor and adapts freely to any field unevenness. With a range of +/- 63 cm (2'0"), this is one of the best results on the market.



Gearbox

An important advantage on the KDC models is the adaptability of the gearbox to different tractors. Changing the speed from 540 to 1000 is possible by rotating the gearbox by 180°. In addition, the PTO drive shaft has been placed in the main frame to protect it from damage and weather conditions.



Central drawbar

Centrally positioned drawbar makes it possible to work from either the right or left side of the tractor. The long drawbar makes it easier to manoeuvre the machine with precision and favours working with small tractors in wet and boggy areas.



Wheels

The wide wheels (340/55/16) are a guarantee of stability and ground protection. They reduce the pressure of the mower to the ground and protect the stubble from damage thanks to the special profile of the tyres. They are ideal for precise work and safe transport.



Conveyor belt

The use of a conveyor belt in the KDC ST or KDC WT models eliminates the need to use a rake to collect the mowed material. This makes the operator’s work even more efficient, with the added advantages of saving time and money.



KDC S

In addition to the standard KDC model, KDC S version equipped with a flail conditioner is also available. The result of its use is faster drying process of the mowed material and no need for a tedder.



KDC W

A KDC W version with a roller conditioner is also available. An excellent choice for working with legumes and hard-stemmed grasses such as sorghum.



TECHNICAL SPECIFICATION

		KDC 300	KDC 340	KDC 390	KDC 430
Working width	[m / ft]	3,00 / 9'10"	3,40 / 11'2"	3,90 / 13'	4,30 / 14'
Transport width	[m / ft]	3,00 / 9'10"	3,40 / 11'2"	3,90 / 13'	4,30 / 14'
Swath width	[m / ft]	~1,20 - 1,50 / ~3'11" - 4'11"	~2,20 - 2,50 / ~7'2" - 8'2"	~2,50 - 2,70 / ~8'2" - 8'10"	~2× 1,20 - 1,30 / ~2× 3'11" - 4'3"
Necessary hydraulic couplers		1 x single acting 1 x double acting			
Working capacity	[ha/h / ac/h]	~ 3,50 / ~ 8,70	~ 4,00 / ~ 10,00	~4,50 / 11,30	~4,90 / 12,30
Number of discs	[pcs.]	7	8	9	10
Number of knives	[pcs.]	14	16	18	20
Tires (with inner tubes)	[pcs.]	340 / 55 / 16	340 / 55 / 16	400 / 50 / 15	400 / 50 / 15
RPM		540 / 1000	540 / 1000	540 / 1000	540 / 1000
3-point hitch cat.		II			
Power demand	[HP]	from 80	from 90	from 100	from 110
Weight	[kg / lbs]	1702 / 3755	1800 / 3970	1850 / 4080	2050 / 4520
PTO shaft		tractor - mower: with friction clutch, built-in: 1. no clutch, 2. with overrunning clutch, 3. with overload clutch, 4. wide-angle u-joint			

		KDC 300 S	KDC 340 S	KDC 300 ST	KDC 340 ST
Working width	[m / ft]	3,00 / 9'10"	3,40 / 11'2"	3,00 / 9'10"	3,40 / 11'2"
Transport width	[m / ft]	3,00 / 9'10"	3,40 / 11'2"	3,00 / 9'10"	3,40 / 11'2"
Swath width	[m / ft]	~1,00 - 1,70 / ~3'3" - 5'6"	1,30 - 2,00 / 4'4" - 6'7"	~1,00 - 1,70 / ~3'3" - 5'6"	~1,30 - 2,00 / ~4'4" - 6'7"
Necessary hydraulic couplers		1 x single acting 1 x double acting	1 x single acting 1 x double acting	2 x single acting 2 x double acting	2 x single acting 2 x double acting
Working capacity	[ha/h / ac/h]	~ 3,50 / ~ 8,70	~ 4,00 / ~ 10,00	~ 3,50 / ~ 8,70	~ 4,00 / ~ 10,00
Number of discs	[pcs.]	7	8	7	8
Number of knives	[pcs.]	14	16	14	16
Tires (with inner tubes)	[pcs.]	400 / 50 / 15	400 / 50 / 15	400 / 50 / 15	400 / 50 / 15
RPM		540 / 1000	540 / 1000	540 / 1000	540 / 1000
3-point hitch cat.		II			
Power demand	[HP]	from 90	from 110	from 100	from 120
Weight	[kg / lbs]	2100 / 4630	2200 / 4850	2480 / 5470	2680 / 5910
PTO shaft		tractor - mower: with friction clutch, built-in: 1. no clutch, 2. with overrunning clutch, 3. with overload clutch, 4. wide-angle u-joint			

		KDC 301W	KDC 341W	KDC 301WT	KDC 341WT
Working width	[m / ft]	3,00 / 9'10"	3,40 / 11'2"	3,00 / 9'10"	3,40 / 11'2"
Transport width	[m / ft]	3,00 / 9'10"	3,40 / 11'2"	3,00 / 9'10"	3,40 / 11'2"
Swath width	[m / ft]	~1,10 - 1,70 / ~3'7" - 5'6"	~1,60 - 2,10 / ~5'2" - 6'10"	~1,10 - 1,70 / ~3'7" - 5'6"	~1,60 - 2,10 / ~5'2" - 6'10"
Necessary hydraulic couplers		1 x single acting 1 x double acting	1 x single acting 1 x double acting	2 x single acting 2 x double acting	2 x single acting 2 x double acting
Working capacity	[ha/h / ac/h]	~ 3,50 / ~ 8,70	~ 4,00 / ~ 10,00	~ 3,50 / ~ 8,70	~ 4,00 / ~ 10,00
Number of discs	[pcs.]	7	8	7	8
Number of knives	[pcs.]	14	16	14	16
Tires (with inner tubes)	[pcs.]	400 / 50 / 15	400 / 50 / 15	400 / 50 / 15	400 / 50 / 15
RPM		540 / 1000	540 / 1000	540 / 1000	540 / 1000
3-point hitch cat.		II			
Power demand	[HP]	from 90	from 110	from 100	from 120
Weight	[kg / lbs]	2170/4785	2320 / 5115	2570 / 5665	2710 / 5975
PTO shaft		tractor - mower: with friction clutch, built-in: 1. no clutch, 2. with overrunning clutch, 3. with overload clutch, 4. wide-angle u-joint			

DISC MOWERS

KDF



The first step to increasing productivity is to create a combination with a front-mounted mower. KDF mower is an excellent choice - its reliable design and exceptional ground following properties have proven their worth in markets all over the world. Thousands of users have appreciated the durability, user-friendly features and the cutting quality of the PerfectCUT cutterbar.

Machine category	Model name	Working width	Power demand	See the mower at work
<ul style="list-style-type: none">• Front-mounted• Pull-type suspension• PerfectCUT cutterbar	<ul style="list-style-type: none">• KDF 300• KDF 340• KDF 390	<ul style="list-style-type: none">• 3,00 m / 9'10"• 3,40 m / 11'1"• 3,90 m / 12'9"	<ul style="list-style-type: none">• from 80 HP• from 90 HP• from 100 HP	

KDF



Suspension

The biggest advantage of the KDF mower is the pull-type suspension of the PerfectCUT cutterbar. Thanks to this, ground following is carried out independently of the tractor and adapts freely to any unevenness in the field. The ground following range is ± 63 cm, which is one of the best results on the market.



Hitch

The KDF mower is connected to the tractor with a hitch triangle, which is standard equipment on the machine. In the case of tractors with short lower links, it is necessary to use an extended hitch triangle available in SaMASZ offer.



Spring pressure relief system

The pressure relief system of the cutting unit is based on springs. It is characterised by quick response to changes in terrain and guarantees a uniform cutting height.



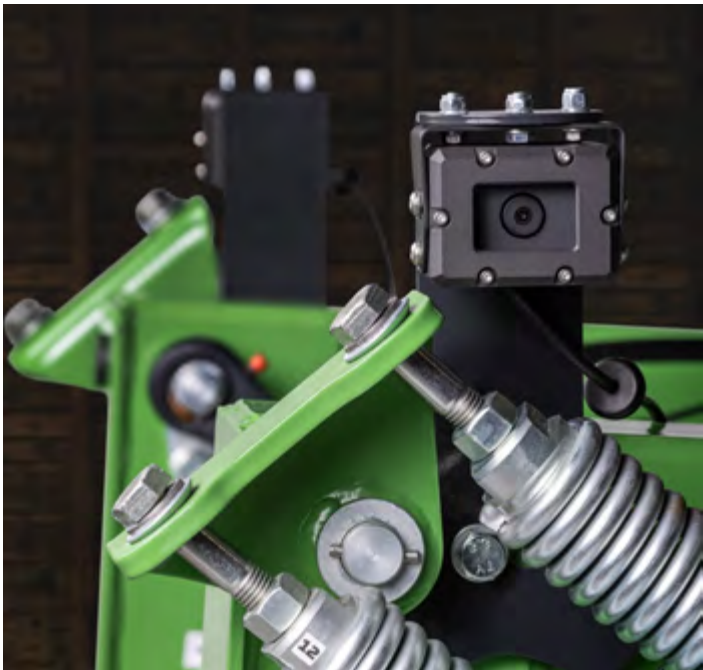
Side shift adapter

The optional side shift adapter is ideal for working on slopes, ensuring the correct overlap between the front and rear mowers.



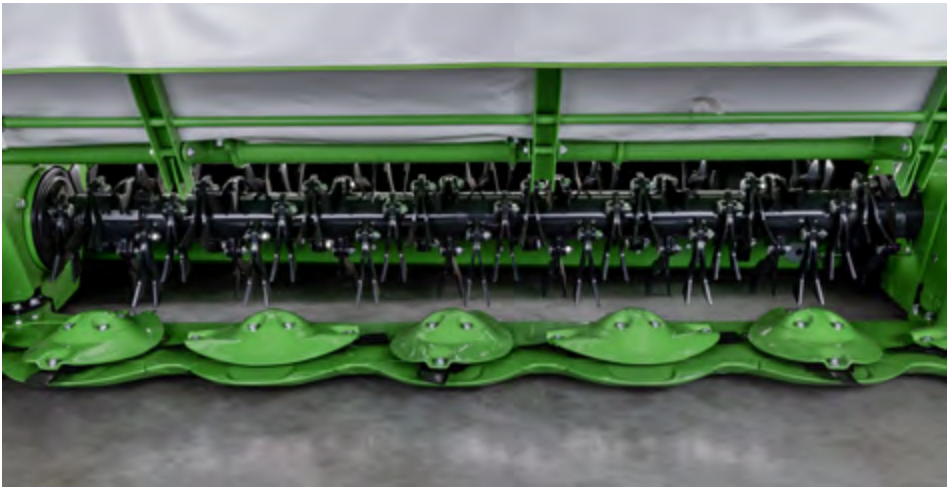
Certified camera set

The optional camera set for KDF models provides excellent visibility, full control and safety during transport.



KDF S

In addition to the standard KDF model, KDF S version equipped with a flail conditioner is also available. The result of its use is faster drying process of the mowed material and no need for a tedder.



KDF W

A KDF W version with a roller conditioner and pressure relief system is also available. An excellent choice for working with legumes and hard-stemmed grasses such as sorghum.



		KDF 300	KDF 340	KDF 390
Working width	[m / ft]	3,00 / 9'10"	3,40 / 11'2"	3,90/12'1"
Transport width	[m / ft]	3,00 / 9'10"	3,40 / 11'2"	3,80 / 12'8"
Swath width	[m / ft]	~1,30 - 1,50 / ~4'3" - 4'11"	~1,30 - 1,80 / ~4'3" - 5'10"	~1,80 - 2,30 / ~5'10" - 7'6"
Necessary hydraulic couplers		1 x single acting		
Working capacity	[ha/h / ac/h]	~ 3,50 / 8,70	~ 4,00 / 10,00	~ 4,50 / 11,00
Number of discs	[pcs.]	7	8	9
Number of knives	[pcs.]	14	16	18
RPM		1000		
3-point hitch cat.		II		
Power demand	[HP]	from 80	from 90	from 110
Weight	[kg / lbs]	940	1020	1065
PTO shaft		tractor - mower: with friction clutch built in: with overrunning clutch		
Single rubber swath guides	[pcs.]	2	-	-
Double rubber swath guides	[pcs.]	-	2	2

		KDF 301S	KDF 341S	KDF 301W	KDF 341W
Working width	[m / ft]	3,00 / 9'10"	3,40 / 11'2"	3,00 / 9'10"	3,40 / 11'2"
Transport width	[m / ft]	3,00 / 9'10"	3,40 / 11'2"	3,00 / 9'10"	3,40 / 11'2"
Swath width	[m / ft]	~1,50 - 2,00 / ~4'11" - 6'6"	~1,30 - 2,20 / ~4'3" - 7'2"	~1,20 - 1,70 / ~3'11" - 5'6"	~1,60 - 2,10 / ~5'2" - 6'10"
Necessary hydraulic couplers		1 x single acting			
Working capacity	[ha/h / ac/h]	~ 3,50 / 8,70	~ 4,00 / 10,00	~ 3,50 / 8,70	~ 4,00 / 10,00
Number of discs	[pcs.]	7	8	7	8
Number of knives	[pcs.]	14	16	14	16
RPM		1000			
3-point hitch cat.		II			
Power demand	[HP]	from 110	from 120	from 120	from 130
Weight	[kg / lbs]	1288 / 2840	1450 / 3195	1400 / 3085	1512 / 3335
PTO shaft		tractor - mower: with friction clutch, built-in: 1. with overload clutch, 2. with overrunning clutch			
Swath guides	[pcs.]	Metal swath guides in conditioner			

DISC MOWERS
XT-F



Uncomplicated, reliable and professional - these are the three main features that describe the front mower XT-F. Equipped with a proven and appreciated PerfectCUT cutterbar, the machine is a reliable tool for professional farms and contractors. This is completed by unbeatable price to quality ratio.

Machine category

- Front-mounted
- Push-type suspension
- **PerfectCUT** cutterbar

Model name

- XT-F 262
- XT-F 302
- XT-F 342

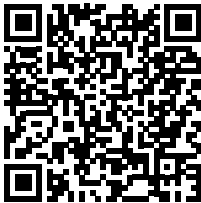
Working width

- 2,60 m / 8'6"
- 3,00 m / 9'10"
- 3,40 m / 11'1"

Power demand

- from 60 HP
- from 75 HP
- from 85 HP

See the mower at work



XT-F



PerfectCUT
cutterbar

E-COAT

Push-type hitch

A short push-type hitch in the XT-F mowers allows to use the professional equipment with a smaller tractor. Compared to the KDF series mower, the machine is closer to the tractor by approximately 10 cm ($3\frac{15}{16}$ ").



Ground following

The push-type hitch design follows the terrain laterally within $\pm 22^\circ$ range, making the machine an ideal choice on naturally varied terrain.



Spring suspension

The springs in the XT-F mowers adjust the degree of pressure relief on the machine, ensuring an even pressure on the ground, protecting the turf and therefore the soiling of the mowed material. The springs are attached to the tractor using, for example, universal holders.



Direction of discs rotation

The direction of rotation of the discs has been selected so that the discs rotate towards the centre of the cutterbar. This is optimal for working on slopes and uneven ground. In addition, the swath roller is very narrow, which makes it possible to work with forage trailers when collecting fresh grass in heaps.



PerfectCUT cutterbar

The XT-F mowers are equipped with the professional, welded PerfectCUT cutterbar. It is a robust, leak-proof and efficient cutterbar, which is popular all over the world. The designed cutterbar features many well-known solutions, such as the special shape of the discs and inserts, as well as a knife holder and safeGEAR system.



Blades box

Easy and quick access to spare blades, thanks to the storage box.



TECHNICAL SPECIFICATION

		XT-F 262	XT-F 302	XT-F 342
Working width	[m / ft]	2,60 / 8'7"	3,00 / 9'8"	3,40 / 11'2"
Transport width	[m / ft]	2,60 / 8'7"	3,00 / 9'8"	3,40 / 11'2"
Swath width	[m / ft]	1,10 / 3'7"	1,50 / 4'11"	~1,80 / 5'10"
Working capacity	[ha/h / ac/h]	~ 2,80 / 7,00	~ 3,50 / 8,70	~ 4,00 / 10,00
Number of discs	[pcs.]	6	7	8
Number of knives	[pcs.]	12	14	16
RPM		1000		
3-point hitch cat.		II		
Power demand	[HP]	from 60	from 75	from 85
Weight	[kg / lbs]	735 / 1620	790 / 1740	855 / 1885
PTO shaft		tractor - mower: with friction clutch built in: with overrunning clutch		



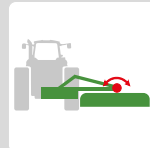
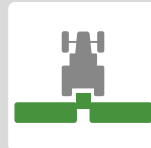


The KDD mower combination is the first step towards high-performance machines. The ideal choice for users with large areas of land, who have previously mowed with single mowers. Large working width helps save time and the robust and proven design guarantees failure-free and highly efficient operation.

Machine category	Model name	Working width	Power demand
<ul style="list-style-type: none">• Two-sided, rear-mounted• Central suspension• PerfectCUT cutterbar	<ul style="list-style-type: none">• KDD 861• KDD 912• KDD 941	<ul style="list-style-type: none">• 8,60 m / 28'2"• 9,10 m / 29'10"• 9,40 m / 30'10"	<ul style="list-style-type: none">• from 140 HP• from 150 HP• from 160 HP

See the mower at work





PerfectCUT
cutterbar

E-COAT

Central suspension

For large mowing combinations, central suspension is the most suitable design. It is characterised by independent operation of the support arm and, in combination with the swinging suspension of the cutting unit, a high degree of ground following is achieved. In addition, the weight of the mower is distributed over the entire working width, reducing the unit pressure on the ground and effectively protecting the turf and clean swath. Another advantage is the large working width, which helps save time and guarantees high productivity.



Pressure relief system

As standard, the ground pressure of the working unit is controlled by adjustable springs. Additionally, an optional version of hydropneumatic pressure relief system is available.



Control panel

Functions of the optional control panel in the KDD:

- activation of left cutting unit hydro-pneumatic relief (H version)
- activation of right and left-hand cutting unit
- locking of right and left-hand unit
- folding in / out of the units for transport and operation



Hydraulic breakaway device

The mechanism that protects the cutting unit from damage is a hydraulic breakaway device. In the case of contact between the mower and an obstacle, the cutterbar and suspension pivot backwards by 24° and lift up by about 35 cm (13²⁵/₃₂"). After passing the obstacle, the cutting unit automatically returns to its working position.



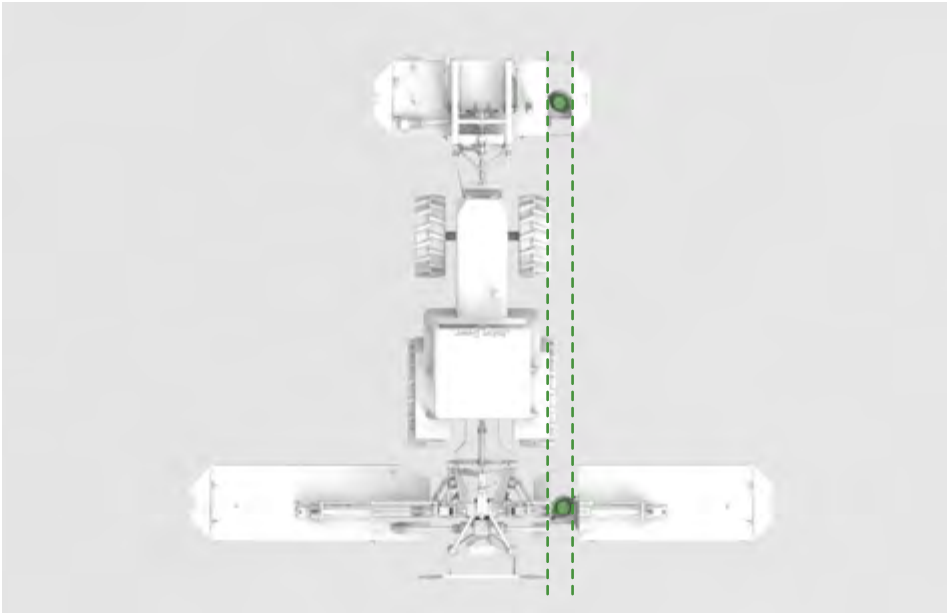
KENNFIXX hydraulic handles

KENNFIXX type handles are included as standard. They facilitate attachment of the mower hydraulics to the sections of the tractor. When the machine is uncoupled, the hydraulic hoses are placed into special holders that protect hydraulic connections from dirt. The three-colour marking helps the operator to distinguish between the hoses.



KDD 912

The design of the KDD 912 is distinguished by the additional cutting disc on the inside of the cutterbar. This increases the overlap of the rear mower to the front one which ensures that there will be no stripes of unmowed grass while working on slopes or turns.



KDD S

In addition to the standard KDD model, KDD S version equipped with a flail conditioner is also available. The result of its use is faster drying process of the mowed material and no need for a tedder.



KDD W

A KDD W version with a roller conditioner and pressure relief system is also available. An excellent choice for working with legumes and hard-stemmed grasses such as sorghum.



		KDD 861	KDD 912	KDD 941
Working width	[m / ft]	8,60 / 28'2"	9,40 / 30'10"	9,10 / 29'10"
Transport width	[m / ft]	3,00 / 9'8"	3,00 / 9'8"	3,00 / 9'8"
Transport height	[m / ft]	3,80 / 12'8"	4,00 / 13'2"	3,90 / 12'10"
Swath width	[m / ft]	2 x ~2,00 - 2,20 / 2 x ~6'6" - 7'2"	2 x ~2,40 - 2,70 / 2 x ~7'10" - 8'10"	2 x ~2,20 / 2 x ~7'2"
Necessary hydraulic couplers		3 x single acting (with panel 1 x single acting)		
Working capacity	[ha/h / ac/h]	~ 10,00 / 25,00	~ 11,00 / 27,00	~ 10,50 / 27,00
Number of discs	[pcs.]	14	16	16
Number of knives	[pcs.]	28	32	32
RPM		1000		
3-point hitch cat.		II / III		II
Power demand	[HP]	from 150	from 160	from 140
Weight	[kg / lbs]	2210 / 4875	2330 / 5135	2308 / 5090
Weight	[kg / lbs]	2120 / 4675	2260 / 4985	2290 / 5050
PTO shaft		tractor - mower: no clutch, built-in: with friction overrunning clutch		
Single rubber swath guides	[pcs.]	4	-	4



DISC MOWERS
KDD ST, KDD WT

GigaCUT



A functional and reliable solution has been designed for large farms and contractors, becoming the first choice among professionals.

The effectiveness of GigaCUT machines has been confirmed on the world's most difficult markets. That proves their excellent quality and durability. PerfectCUT cutterbar ensures precise cutting and reliable work through the entire season. Amazingly versatile KDD ST and WT machines allow you to work with or without conveyor belts, making it possible to adapt to a wide variety of working conditions and preferences.

Machine category	Model name	Working width	Power demand
<ul style="list-style-type: none">Two-sided, rear-mountedCentral suspensionPerfectCUT cutterbar	KDD 861 S / W	8,60 m / 28'2"	from 160 HP
	KDD 941 S / W	9,40 m / 30'10"	from 180 HP
	KDD 861 ST / WT	8,60 m / 28'2"	from 200 HP
	KDD 941 ST / WT	9,40 m / 30'10"	from 220 HP

See the mower at work



KDD ST, KDD WT



Control panel

Functions of the control panel in the KDD ST and KDD WT:

- Controlling of the left and right working unit for separate lifting and blocking
- Separate adjustment of the left and right working unit pressure relief system (version "H")
- Controlling of the left and right conveyor belt for speed adjustment, separate or synchronic lifting
- Folding and unfolding working units for transport and work



Hydraulic unit

A key element in the drive of the conveyors in the KDD ST and KDD WT machines is an advanced hydraulic unit. Equipped with its own oil tank, it relieves the load on the tractor hydraulics. In addition, a radiator and a fan ensure optimum operation even under intensive conditions. What's more, the fan is equipped with a reverse gear to effectively remove accumulated dust during operation.



Integrated gearbox

Mowers equipped with a tine conditioner (KT S) have a 2-speed integrated transmission. Change of shaft speed from 700 to 1,000 rpm is carried out using a lever located on the gearbox. This allows the operator to adjust the conditioning intensity to suit their needs.



Conditioners

Conditioners used in KDD ST and KDD WT mowers speed up forage drying process. A reliable and efficient solution results in excellent quality of dried material. Thanks to the use of conditioners, not only more effective work is achieved, but also time savings as there is no need for a tedder.



KDD ST, KDD WT

Conditioning intensity adjustment

The flail conditioners have a corrugated plate, thanks to which operator can adjust the intensity of conditioning of mowed material.



Conveyor belt

The use of conveyor belts makes it possible to form one swath roll from three mowers. Their use in KDD models eliminates the need of raking to collect the mowed material. This makes operator's work even more efficient, and at the same time results in time and money savings. Using the control panel, the operator can set independently and steplessly speed of both belts, and activate or deactivate each of the belts. This makes it possible to tailor the machine to the conditions and chain of harvest.



Conveyor cleaning mechanism

To ensure trouble-free operation, conveyors are equipped with a mechanical cleaning mechanism for conveyor drive rollers.



CONFIGURATIONS OF WORK WITH TRANSPORTERS





		KDD 861S	KDD 941S	KDD 861ST	KDD 941ST
Working width	[m / ft]	8,60 / 28'2"	9,40 / 30'10"	8,60 / 28'2"	9,40 / 30'10"
Transport width	[m / ft]	3,00 / 9'8"	3,00 / 9'8"	3,00 / 9'8"	3,00 / 9'8"
Transport height	[m / ft]	3,80 / 12'8"	3,95 / 13'	3,80 / 12'8"	3,95 / 13'
Swath width	[m / ft]	2 x ~ 1,60 - 2,20 / 2 x ~5'1" - 7'2"	2 x ~ 2,00 - 2,70 / 2 x ~ 6'6" - 8'10"	2 x ~1,55 - 2,20 / 2 x ~5'1" - 7'2"	2 x ~1,50 - 2,60 / 2 x ~4'11" - 8'6"
Necessary hydraulic couplers		3 x single acting (with panel 1 x single acting)		1 x double acting	
Working capacity	[ha/h / ac/h]	~ 10,00 / 25,00	~ 11,00 / 27,00	~ 10,00 / 25,00	~ 11,00 / 27,00
Number of discs	[pcs.]	14	16	14	16
Number of knives	[pcs.]	28	32	28	32
RPM		1000		1000	
3-point hitch cat.		III			
Power demand	[HP]	from 160	from 180	from 200	from 220
Weight	[kg / lbs]	3020 / 6660	3226 / 7115	4040 / 8905	4310 / 9500
Weight	[kg / lbs]	2870 / 6330	3130 / 6900	3900 / 8600	4100 / 9040
PTO shaft		tractor - mower: no clutch, built-in: with overrunning friction clutch		tractor - mower: no clutch, built-in: with overrunning friction clutch	
Swath guides		Metal swath guides in conditioner			

		KDD 861W	KDD 941W	KDD 861WT	KDD 941WT
Working width	[m / ft]	8,60 / 28'2"	9,40 / 30'10"	8,60 / 28'2"	9,40 / 30'10"
Transport width	[m / ft]	3,00 / 9'8"	3,00 / 9'8"	3,00 / 9'8"	3,00 / 9'8"
Transport height	[m / ft]	3,80 / 12'8"	3,95 / 13'	3,80 / 12'8"	3,95 / 13'
Swath width	[m / ft]	2 x ~1,40 - 1,90 / 2 x ~4'7" - 6'2"	2 x ~ 1,80 - 2,30 / 2 x ~ 5'11" - 7'7"	2 x ~1,60 - 2,00 / 2 x ~5'2" - 6'6"	2 x ~2,00 - 2,40 / 2 x 6'6" - 7'10"
Necessary hydraulic couplers		3 x single acting (with panel 1 x single acting)		1 x double acting	
Working capacity	[ha/h / ac/h]	~ 10,00 / 25,00	~ 11,00 / 27,00	~ 10,00 / 25,00	~ 11,00 / 27,00
Number of discs	[pcs.]	14	16	14	16
Number of knives	[pcs.]	28	32	28	32
RPM		1000			
3-point hitch cat.		III			
Power demand	[HP]	from 160	from 180	from 200	from 220
Weight	[kg / lbs]	3130 / 6900	3320 / 7320	4160 / 9171	4450 / 9810
Weight	[kg / lbs]	2970 / 6547	3200 / 7055	3920 / 8645	4300 / 9480
PTO shaft		tractor - mower: no clutch, built-in: with overrunning friction clutch		tractor - mower: no clutch, built-in: with overrunning friction clutch	
Swath guides		Metal swath guides in conditioner		Metal swath guides in conditioner	

- S - tine conditioner
- W - roller conditioner
- T - Conveyor belt

DISC MOWERS

KDD-R



KDD-R - a combination of a front mower with KDD, a two-sided rear one on a one frame. Specially designed set for mounting with tractors with reverse system. The great advantage of the KDD-R is the ideal visibility of the entire mower combination within the operator's field of sight. It is the ideal solution for work on large farms and for service providers.

Machine category

- Mower combination with reverse system
- **PerfectCUT** cutterbar

Model name

- KDD-R 861 H
- KDD-R 861 SH
- KDD-R 941 H
- KDD-R 941 SH

Working width

- 8,60 m / 28'2"
- 8,60 m / 28'2"
- 9,10 m / 30'10"
- 9,10 m / 30'10"

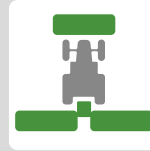
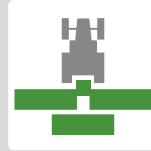
Power demand

- from 180 HP
- from 230 HP
- from 190 HP
- from 250 HP

See the mower at work



KDD-R



PerfectCUT
cutterbar

E-COAT

Two-sided hitch

The KDD-R mowers have a hitch adapted to use with reversible tractors as standard. As an option, the machine can be fitted with an interchangeable hitch allowing operation in a separated front-rear combination.



Hydropneumatic pressure relief system

The hydropneumatic pressure relief system is distinguished by stepless adjustment of the cutting unit relief. The hydropneumatic system allows convenient yet precise adjustment from the tractor cab. Ground pressure is uniform regardless of the terrain.

Functions of the optional control panel in the KDD:

- activation of left cutting unit hydro-pneumatic relief (H version)
- activation of right and left-hand cutting unit
- locking of right and left-hand unit
- folding in / out of the units for transport and operation



Hydraulic breakaway device

The mechanism that protects the cutting unit from damage is a hydraulic breakaway device. In the case of contact between the mower and an obstacle, the cutterbar and suspension pivot backwards by 24° and lift up by about 35 cm (13²⁵/₃₂"). After passing the obstacle, the cutting unit automatically returns to its working position.



KENNFIXX hydraulic handles

KENNFIXX type handles are included as standard. They facilitate attachment of the mower hydraulics to the sections of the tractor. When the machine is uncoupled, the hydraulic hoses are placed into special holders that protect hydraulic connections from dirt. The three-colour marking helps the operator to distinguish between the hoses.



Headlands sensor

Mowers with a control panel are equipped with a proximity sensor that limits the lifting of the mower during headland turns. This significantly improves working comfort and prevents the machine from folding with the drive engaged.



Hitch mounting and dismounting

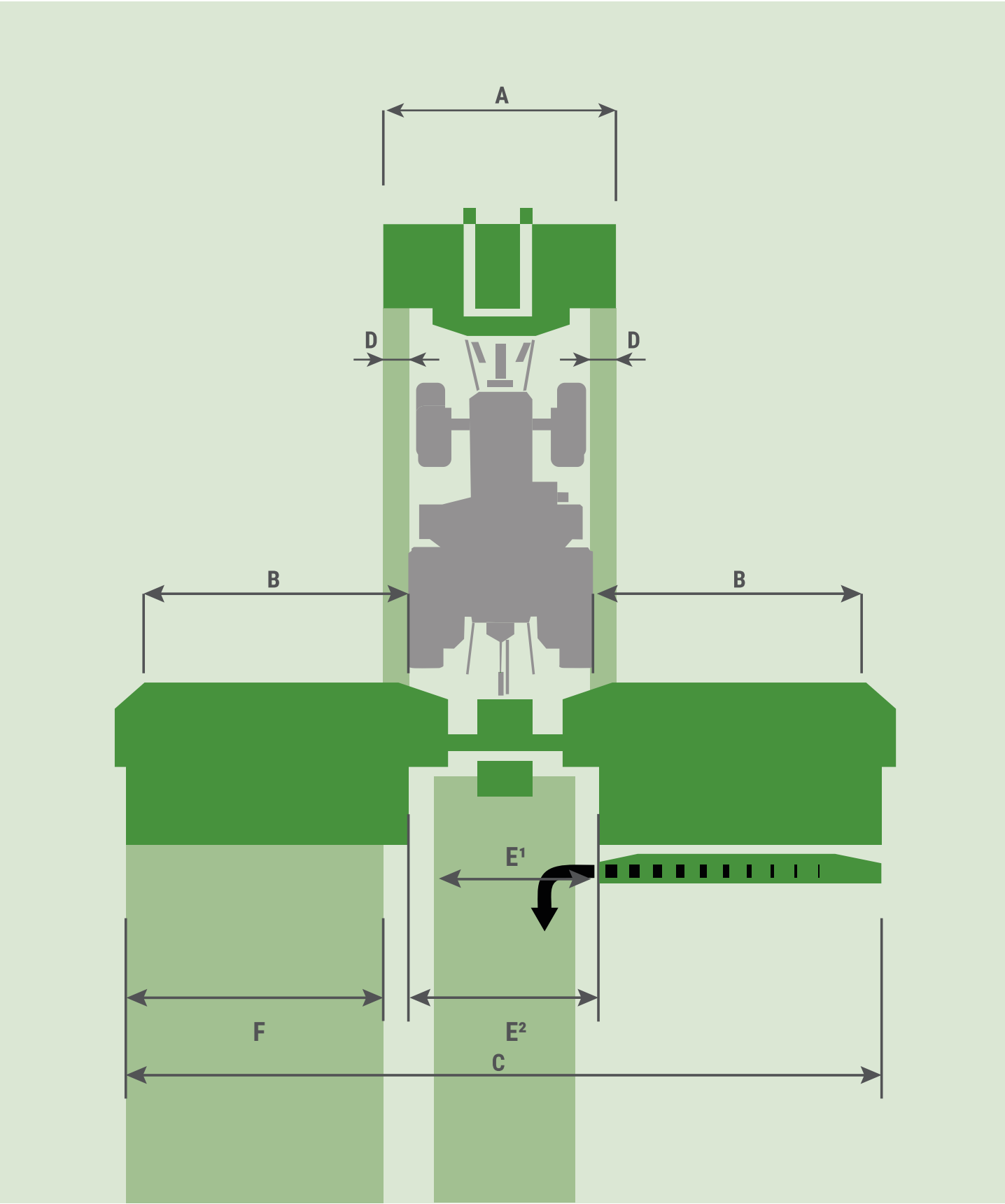
When changing from a reversible to a standard tractor, it is possible to modify the KDD-R to a conventional rear-front combination using an optional hitch. The ability to change the configuration of the machine increases its versatility, which is a key aspect in machinery parks with a large number of tractors.



		MEGACUT-R 861H	GIGACUT-R 861SH	MEGACUT-R 941H	GIGACUT-R 941SH
Working width	[m / ft]	8,60 / 28'2"	8,60 / 28'2"	9,40 / 30'10"	9,40 / 30'10"
Transport width	[m / ft]	3,00 / 9'8"	3,00 / 9'8"	3,00 / 9'8"	3,00 / 9'8"
Transport height	[m / ft]	3,80 / 12'8"	3,80 / 12'8"	4,00 / 13'2"	4,00 / 13'2"
Swath width	[m / ft]	2x ~2,00 - 2,20 / 2x ~6'6" - 7'2"	2x ~1,80 - 2,40 / 2x 5'10" - 7'10"	2x ~2,40 - 2,70 / 2x 7'10" - 8'10"	2x ~2,00 - 2,70 / 2x 6'6" - 8'10"
Necessary hydraulic couplers		3 x single acting			
Working capacity	[ha/h / ac/h]	~ 10,00 / 25,00		~ 11,00 / 27,00	
Number of discs	[pcs.]	21 (22 with front disc mower KDF 340)		23 (24 with front disc mower KDF 340)	
Number of knives	[pcs.]	42 (44 with front disc mower KDF 340)		46 (48 with front disc mower KDF 340)	
RPM		1000			
3-point hitch cat.		III			
Power demand	[HP]	from 180	from 230	from 190	from 250
Weight with KDF 300		3040 / 6700	3 840 / 8 465	3130 / 6900	4 040 / 8 906
Weight with KDF 340		3120 / 6880	3 920 / 8 642	3210 / 7075	4 120 / 9 083
PTO shaft		tractor - mower: no clutch built - in: with overrunning friction clutch		tractor - mower: no clutch built - in: with overrunning friction clutch	
Single rubber swath guide	[pcs.]	4	Metal swath guides in conditioner	4	Metal swath guides in conditioner

- S - tine conditioner
- H - hydropneumatic suspension

OVERLAP OF CUTTING UNITS AND SWATH WIDTHS IN SETS



SET		WORKING WIDTH [M/FT]			OVERLAP OF FRONT-BACK CUTTING UNITS [CM/FT]	SWATH WIDTH [M/FT]		
REAR MOWER	FRONT MOWER	A	B	C	D	E¹	E²	F
KDD 861	KDF 340	3,40 11'1"	3,00 × 2 9'10" x 2	8,60 28'2"	54 1'9"	~1,30 - 1,80 ~4'3" - 5'10"	-	2 x ~2,00 - 2,20 2 x ~6'6" - 7'2"
KDD 861	KDF 390	3,90 12'10"	3,00 × 2 9'10" x 2	8,60 28'2"	75 2'5"	~1,80 - 2,10 ~5'10" - 7'6"	-	2 x ~2,00 - 2,20 2 x ~6'6" - 7'2"
KDD 941	KDF 340	3,40 11'1"	3,40 × 2 11'1" x 2	9,40 30'10"	54 1'9"	~1,30 - 1,80 ~4'3" - 5'10"	-	2 x ~2,40 - 2,70 2 x ~7'10" - 8'10"
KDD 941	KDF 390	3,90 12'10"	3,40 × 2 11'1" x 2	9,40 30'10"	75 2'5"	~1,80 - 2,10 ~5'10" - 7'6"	-	2 x ~2,40 - 2,70 2 x ~7'10" - 8'10"
KDD 912	KDF 300	3,00 9'10"	3,40 × 2 11'1" x 2	9,10 29'10"	40 1'3"	~1,30 - 1,50 ~4'3" - 4'11"	-	2 x ~2,00 - 2,20 2 x ~6'6" - 7'2"
KDD 912	KDF 340	3,40 11'1"	3,40 × 2 11'1" x 2	9,10 29'10"	75 2'5"	~1,30 - 1,80 ~4'3" - 5'10"	-	2 x ~2,00 - 2,20 2 x ~6'6" - 7'2"
KDD 861 S	KDF 341 S	3,40 11'1"	3,00 × 2 9'10" x 2	8,60 28'2"	54 1'9"	~1,30 - 2,20 ~4'3" - 7'2"	-	2 x ~1,55 - 2,20 2 x ~5'1" - 7'2"
KDD 941 S	KDF 341 S	3,40 11'1"	3,40 × 2 11'1" x 2	9,40 30'10"	54 1'9"	~1,30 - 2,20 ~4'3" - 7'2"	-	2 x ~2,00 - 2,70 2 x ~6'6" - 8'10"
KDD 861 ST	KDF 341 S	3,40 11'1"	3,00 × 2 9'10" x 2	8,60 28'2"	54 1'9"	1,40 - 2,40 4'7" - 7'10"	2,95 9'8"	2 x ~1,55 - 2,20 2 x ~5'1" - 7'2"
KDD 941 ST	KDF 341 S	3,40 11'1"	3,40 × 2 11'1" x 2	9,40 30'10"	54 1'9"	~1,30 - 2,20 ~4'3" - 7'2"	2,77 9'1"	2 x ~2,00 - 2,70 2 x ~6'6" - 8'10"
KDD 861 W	KDF 341 W	3,40 11'1"	3,00 × 2 9'10" x 2	8,60 28'2"	54 1'9"	~1,60 - 2,10 ~5'2" - 6'10"	-	2 x ~1,60 - 2,00 2 x ~5'2" - 6'6"
KDD 941 W	KDF 341 W	3,40 11'1"	3,40 × 2 11'1" x 2	9,40 30'10"	54 1'9"	~1,60 - 2,10 ~5'2" - 6'10"	-	2 x ~1,80 - 2,30 2 x ~5'11" - 7'7"
KDD 861 WT	KDF 341 W	3,40 11'1"	3,00 × 2 9'10" x 2	8,60 28'2"	54 1'9"	~1,60 - 2,10 ~5'2" - 6'10"	2,90 9'6"	2 x ~1,60 - 2,00 2 x ~5'2" - 6'6"
KDD 941 WT	KDF 341 W	3,40 11'1"	3,40 × 2 11'1" x 2	9,40 30'10"	54 1'9"	~1,60 - 2,10 ~5'2" - 6'10"	3,15 10'4"	2 x ~1,80 - 2,30 2 x ~5'11" - 7'7"

E¹ swath width of the front-mounted mower
E² maximum swath width with active conveyor belts (front + rear-mounted mowers)
F swath width of rear-mounted mowers without active conveyor belts

SaMASZ ORIGINAL SPARE PARTS



By choosing original parts for SaMASZ agricultural machinery, users maintain the perfect technical condition of their equipment, which results in effective work in the field. Original parts are a key element in ensuring the failure-free performance of machinery.

Only original spare parts purchased from a SaMASZ dealer or at the company head office guarantee:

- trouble-free operation,
- higher productivity,
- long service life,
- safety in use,
- benefits of using the latest versions improved by the design team,
- increased value of the machine (in case of resale).

ANTI-CORROSION E-COAT PROTECTION

E-COAT



Cathaphoretic painting (E-COAT) is used to cover elements that require coatings with significant corrosion resistance. At SaMASZ this process is carried out in a fully automated method. Each step is continuously monitored and archived, ensuring the repeatability of the process and the highest coating quality. In addition, it provides high weather resistance, corrosion protection, chemical and mechanical protection and an eye-catching design.

E-COAT technology is always individually tailored to the characteristics of the workpiece, meeting strict standards. The surface preparation, with zinc phosphating and E-COAT painting, makes it possible to cover the most complex shapes including difficult-to-reach components. The coating performed in this way ensures that the highest corrosion resistance is maintained, more than three times resistant than the standard iron phosphating method. This enables perfect surface protection on all SaMASZ machines.

ABOUT SaMASZ



Passion for work and constant searching for the best solutions are the virtues that were implemented 40 years by the founder Antoni Stolarski together with SaMASZ employees.

Taking care of tradition based on family values, the company is among the leaders of European manufacturers of agricultural equipment. Innovative solutions in SaMASZ machines are trusted not only in Europe, but also in the whole world. Nowadays the machines are exported to around 60 countries and the dealership network consists of 29 dealers in Poland and over 70 abroad.

The main idea of SaMASZ is constant development of its products based on the customers' needs and on agricultural and municipal global market trends. High level of quality and functionality of our machines is the outcome of our Research and Development Centre's dedicated work. We hire only the most talented engineers who focus on the research and development. We also closely cooperate with technical universities and specialized institutes.



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