FELLA

RAMOS

Disc mowers

Harvesting energy.

Experience in Hay
SINCE 1918

A worried glance at the sky.
Black clouds are drawing in.
The clock is ticking.
It will be pouring in less than an hour.
The pleasant, sunny days are gone.
And the work is done.
For the harvest is already saved.

FELLA

Harvesting energy.

We at FELLA understand: There's a very small window for harvesting. And everything has to be just right, everything has to run like clockwork. No field is too large for our mowers, no meadow too undulating and no task to tough.

Our wide range of machines allow us to play a part in these crucial days of the year.
We're proud of this. For your history is our history.

Experience in Hay
SINCE 1918

GREEN FORAGE EXPERTISE FROM FRANCONIA
Tradition, innovation and passion –
that's the recipe for success held by the green forage centre of excellence in Feucht.

Many challenges, one solution.

Optimum cutting results with robust construction and large working widths: The FELLA disc mowers represent cost-effectiveness, efficiency and the best results when harvesting forage.

FELLA helps you achieve high-quality forage.
Harvesting energy with FELLA.

RAMOS front-mounted mowers

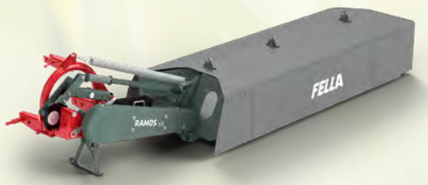
ALPINE ..... Page 18
- Specially developed for use on alpine terrain
- Swinging hitch attachment
- Mowing on sloping terrain without loss of forage
- Working widths of 2.05 m and 2.50 m

OSCILLATING LINKAGE ..... Page 20
- The all-rounders of the front-mounted mowers
- Large pivot travel
- Compact direct attachment with two headstock variants
- Working width of 3.10 m

HEADSTOCK WITH TRAILING LINKAGE ..... Page 24
- Perfect for operating in mower combinations
- Lateral movement for harvesting without losses
- Optimum ground contour scanning
- Working widths of 3.10–3.60 m

RAMOS rear-mounted mowers

SIDE ATTACHMENT FOR SMALLER TRACTORS ..... Page 30
- With or without inner skid
- Spring relief as standard
- Working widths of 1.66–2.82 m



SIDE ATTACHMENT FOR THE MEDIUM POWER CLASS ..... Page 32
Controlled kinematic lifting mechanisms
- Ease of handling
- Working widths of 2.05–3.50 m

MIDDLE ATTACHMENT ..... Page 34
- Efficient rear-mounted mowers with and without conditioner
- Floating cut with the TurboLift cutter bar suspension system
- Very user friendly
- Working widths of 2.60–4.50 m

RAMOS mower combinations

WITHOUT ISOBUS ..... Page 42
- Perfect for use on large farms and for contractors
- Powerful alternatives to self-propelled machines
- Extremely low-drag and cost-effective
- Working widths 8.30 m - 9.60 m

NEW

WITH ISOBUS ..... Page 48
- Low-lying conveyor belt with lateral movement and speed setting
- Full automation of work processes
- Working width of 9.30 m

RAMOS trailed mowers

TRANSPORT CHASSIS ..... Page 54
Centrally pivoted drawbar
- User-friendly and flexible
- Working width of 3.00 m

RAMOS spur gear drive large discs

Low wear – maximum application flexibility.

FELLA mowers with this spur gear drive stand out thanks to a flexible range of applications as well as durable and reliable functionality with a consistently high mowing quality. The robustly designed and flat cutter bar with large mower discs combines an excellent conveying effect and even forage flow with low drag and extremely smooth running. The drive concept of the mower units stands out thanks to impressive efficiency and therefore guarantees efficient mowing under all conditions.

STABLE FORM

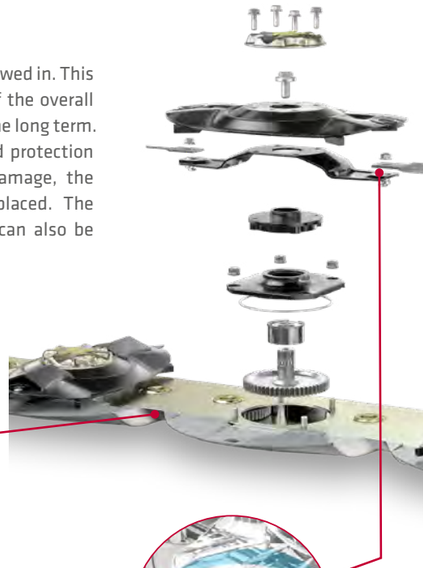
The durability and dimensional stability of this cutter bar are key factors for always being ready to use for the time-critical harvest season. The cover and tank consist of thick-walled material, are joined by interlocking and are fully welded. This results in maximum robustness, maximum stability and tightness of the overall design. Foregoing bolted connections encourages the crop flow and minimises weak spots. Additional outlets with large-scale support profiles guarantee a high level of horizontal dimensional stability, which is particularly beneficial for the cut quality when there are large working widths.

POWERFUL INTERPLAY FOR EFFICIENT MOWING

For a straight force path with high efficiency, the large-dimension drive pinion and mower pinion are arranged in series. The large gear wheels guarantee a lower rotational speed and therefore create lower wear costs. Even with a varying load, smooth running is ensured. With 3.5 teeth engaged, the convex-ground and tempered gear wheels always achieve reliable power transmission and functional reliability. The interplay between all components also results in low-noise operation.

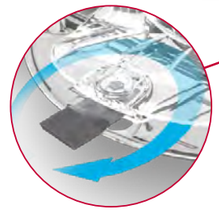
MAINTENANCE-FRIENDLY DESIGN

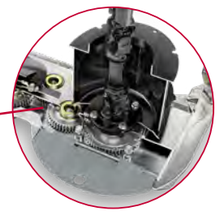
The heavily loaded drive units are all screwed in. This has a positive effect on the stability of the overall design and supports the service life in the long term. In the event of a collision, the overload protection protects the drive. In the event of damage, the mower unit is quickly and easily replaced. The hidden counter-cutters and the skids can also be replaced in no time at all.



TWICE AS SHARP

Foregoing anchorage points allows for a 360° blade rotation and therefore means that both sides of the blade can be used. They are replaced in no time using the enclosed quick-change key.





DRIVEN INTELLIGENTLY

The force is applied to the first mower disc and guarantees a direct drive with high efficiency. The drive concept, which is consistently designed for efficient utilisation of power, allows for a reduced PTO shaft speed of 850 rpm under certain conditions and, as a result, fuel-saving operation. The overload protection and the integrated freewheel in the gearbox prevents costly damage to the machine in emergencies.

SIZE AND SHAPE MAKE THE DIFFERENCE

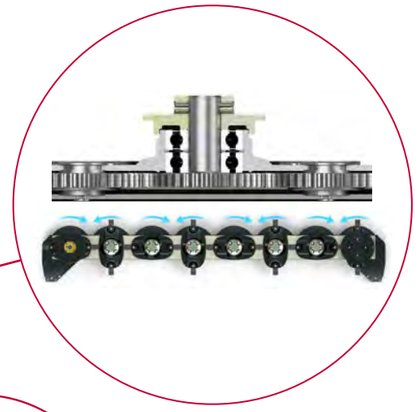
Large mower discs allow for fewer cutter modules per metre of working width. This reduces the number of release points and increases the efficiency. They therefore also achieve a wide overcut and, therefore, a larger cut surface. Another consequence of this is the increased pull effect, which raises the crop before the cut and, as a result, achieves a uniform cut. The special profiling of the mower discs results in a flow effect when transporting the forage after the cut, and therefore guarantees an optimal crop flow and perfect forage deposition even for a heavy crop. Outer mower discs with feed drums guarantee clean forage clearance even in edge areas.

RAMOS spur gear drive

Low weight – highly efficient.

AN EXACT CUT EVEN UNDER DIFFICULT CONDITIONS

Thanks to the extremely flat cutter bar with mower discs which run in pairs, a deeper, more uniform cut is possible. With elliptical discs and robust conveyor drums, it is possible to achieve a clean cutting pattern and good forage throughput even on difficult terrain.



DRIVE PROTECTED

Clamping/shear pins in the bearing flange of each mower disc protect the drive if an obstruction is encountered when driving.

VERY LOW RISK OF WEAR

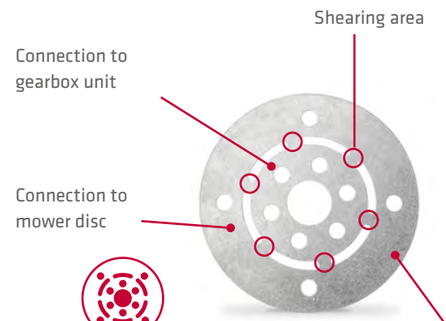
The cutter bar is bolted in place and easy to repair, with all components mounted in the base plate and bolted cover plate. The standard stone guard and large, hardened skids extend the service life.

RAMOS compact angular gear

Low power demand – huge area output.

MAXIMUM LONG-TERM PERFORMANCE

The indirect drive, which uses a large-dimensioned hexagonal shaft and the robust angle drive, results in uniform power output across all mower discs and the smoothing of torque peaks. The benefit of this is that the wear and load on all components within the power train is reduced, providing a longer service life.

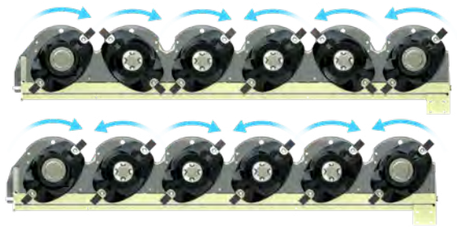


driveGUARD® TURNS THINGS AROUND IN EMERGENCIES.

The patented FELLA driveGUARD® provides premium overload protection. It reliably protects the mower and the mower gearbox against damage in the case of foreign objects in the crop flow. The driveGUARD® overload disc is connected to the power train and the mower disc. If the mower disc is jammed by a foreign object, driveGUARD® shears off at defined breaking points. The connection is interrupted and the mower disc turns freely – as a result, no more forces act on the power train.

HIGHEST-QUALITY FORAGE

The streamlined design with profiled base and hardened skids guarantees maximum forage quality.



FLEXIBLE DIRECTION OF ROTATION

Because of the bolted compact angular gearbox, you can specifically adapt the direction of rotation of the individual mower discs to your needs. The mower discs are converted from axial running to paired running by simply switching over two angle drives – all without any additional components.

Our technology highlights

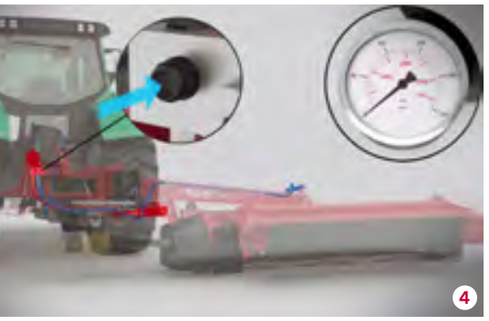
Make all the difference.

TurboLift

FREE-FLOATING CUTTING.

The TurboLift cutter bar suspension system from FELLA guarantees continual optimum contact pressure during the entire mowing process. Mowers with TurboLift function with a "floating cut", protecting the sward and reducing forage contamination to a minimum. The innovative control device enables quick, easy and continuous adjustment of the contact pressure for a wide variety of operating conditions – even while driving. This provides an enormous advantage in terms of time and quality, particularly when passing over wet areas. The system is automatically calibrated for any headland. In addition, the frame structure and the skids carry less of a load and fuel consumption drops.

- **Continual adjustment of contact pressure**
- **Free-floating cutting**
- **Complete control from the tractor seat – even while driving**
- **Sward protection – very low level of forage contamination**
- **Reduced fuel consumption**



1 TurboLift – the hydropneumatic cutter bar suspension system can easily be controlled from the tractor seat. Constant contact pressure with infinitely variable adjustment, can also be adjusted while driving

2 "Floating cut" for protecting the sward, improved forage quality and little stress on the structure

3 The optimal contact pressure reduces fuel consumption.

4 Suspension system for the parking position, available at the press of a button. Optimal pressure is automatically produced when attaching.

ComfortChange

STAYS SHARP – WITHOUT A BREAK.

The FELLA ComfortChange quick blade change system enables you to change the blades quickly and easily, when required. The blade key is all you need to change the blades. It can be secured so that you have both hands free. With ComfortChange, the blade is automatically locked in place and reliably secured. ComfortChange reduces the usual maintenance times considerably. This saves you both time and money.

- **Straightforward blade change**
- **No tools required**

SAFETYSWING
approx. 20° to the rear, approx. 620 mm upwards

EASYSWING
approx. 9° to the rear, approx. 400 mm upwards

SafetySwing/EasySwing

SWINGING INTO ACTION.

The FELLA impact guards provides optimum safety on any field and reliably protects your machine from damage caused by hitting obstructions. If the mower encounters an obstacle, it will fold back and away and then automatically return to its original position under its own weight.

Special features of the SafetySwing:
Each mower unit is protected separately and can therefore separately swing out of the way. The pivot point of the mower unit is positioned exactly in the centre of the three-point headstock and therefore guarantees the maximum possible leverage. As a result, the mechanism is activated even if you hit an obstacle with one of the inner mower discs.

- **Secures every mower unit when an obstacle is hit**
- **Independently realigns itself to the working position**

The FELLA conditioner principle

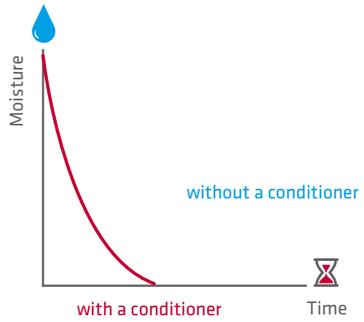
The quicker way to better forage.

Why choose a conditioner?

GUARANTEEING YOUR HIGH-QUALITY FORAGE.

The mower-conditioner combination shortens the natural fermentation process of the mowed forage by hours. The wax layer on the forage is rubbed off and a loose, lightly packed swath is deposited. Moisture loss is accelerated through intensive air circulation. This not only has a positive effect on your costs but also on the quality of your forage, because it reduces the disintegration losses and forage contamination to a minimum. In unpredictable weather conditions in particular, this gives you a substantial time advantage – the quicker, safer way to your high-quality forage.

- **Standard equipment for many mowers, can be retrofitted to some other models**
- **Shortened fermentation process**
- **Disintegration losses and forage contamination are reduced to a minimum**
- **Decisive advantage in adverse weather conditions**
- **Lower costs**
- **Higher quality of forage**



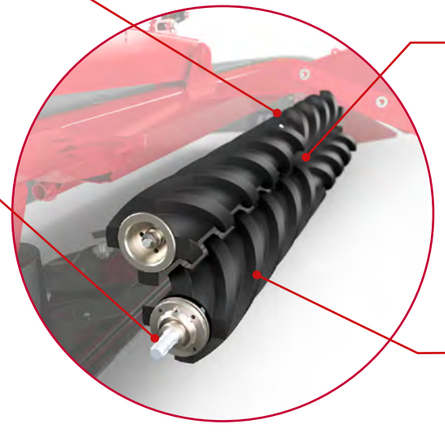
Roller conditioner

HAS AN IMPORTANT ROLE.

With two robust interlocking rubber profile elements for intensive but gentle preparation of legumes or other leafy forage. The hard stalks are squeezed through the rubber rolls and the delicate, nutrient-rich leaves are conserved.

A spring-loaded foreign body protection is fitted as standard in the conditioner.

The conditioner is driven using universal joints and is secured against overload using a shear bolt – a simple, but reliable drive concept.



The contact pressure of the rubber profile elements can be variably adjusted to various forage and weather conditions.

If they are worn or damaged, the rubber elements on the shaft can be individually replaced.

Tine-rotor conditioner

ONE WAVELENGTH AHEAD.

The spring tine rotor and the multi-position adjustable conditioning comb produce a wavy forage structure which is permeable to air, the result of a number of interacting tools which open the top layer of the leaves, thus facilitating the drainage of water.

The super C flexible tines are fitted as standard with loss protection and they are extremely resistant to foreign objects in the forage.

The conditioner is driven using universal joints and is secured against overload using a shear bolt – a simple, but reliable drive concept.

Due to the preparation intensity, which can be easily adjusted using a counter-comb, a costly adjustment to the speed using a separate gearbox is not necessary. This reduces the weight and maintenance effort and therefore saves you money.

RAMOS FRONT-MOUNTED MOWERS

Always one cut ahead.

Front-mounted Alpine

At home in the mountains.

- Working widths of 2,05 m, 2,50 m and 3,00 m
- Compact angular gear
- Specially developed for use on alpine terrain
- Mowing on sloping terrain without loss of forage
- Excellent track stability
- Foldable side guard for narrow-width road travel
- No hydraulic connection needed

To also meet the high demands of farmers in alpine regions, FELLA has developed the RAMOS 200 series disc mowers. These are unique with their short, compact linkage. The centre of gravity lies close to the tractor and this leads to very good track stability on sloping terrain.

RAMOS 260 FK

Front-mounted compact linkage

Extremely short linkage directly on the lower link of the alpine tractors

RAMOS 260 FP

Front-mounted oscillating linkage

Compact linkage using a Weiste triangle on standard tractors

RAMOS 210 FK-S

Compact linkage with lateral movement for optimal mowing on sloping terrain

RAMOS 260 FP-S

Oscillating linkage with lateral movement for optimal mowing on sloping terrain

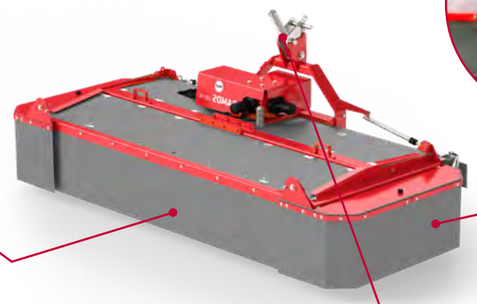
With the RAMOS 210 FK-S and RAMOS 260 FP-S mowers, you can also mow on the steepest alpine terrain or in the hillside line without loss of forage – thanks to the option to move the mower by up to 12 cm (RAMOS 210 FK-S) or 21 cm (RAMOS 260 FP-S) to the left or right.

FOLDABLE SIDE GUARD

Large width on the meadow, small width on the street

SWATH FORMATION ON SLOPES

The four centrally running mower discs allow a very good, uniform swath positioning even on sloping terrain, yet still require no additional guiding equipment.



PROTECTION AGAINST COLLISION DAMAGE

The spring-loaded impact guard on FK models protects the mower in the event of a collision with an obstacle.

ACCESSORIES

- Additional skids for greater cutting heights and as wear protection for stony and sandy ground
- Mower discs with conveyor vanes for optimal transport of the forage to the conditioner
- driveGUARD® retrofit kit (RAMOS 210 FK-S)

*Equipment variant

1

2

3

PERFECT MOWING ON SLOPING TERRAIN

1 Mechanical (FK-S) or hydraulic (FP-S) lateral movement (here: RAMOS 260 FP-S)

ADAPTABLE

2 With a pivot travel of +/– 4.5° for the FP version and +/– 9° for the FK version, the mowers adapt to uneven ground.

STABILITY ON SLOPES

3 Due to the short linkage, the centre of gravity lies close to the tractor.

RAMOS 310 FP-K

Shorter front-mounted oscillating linkage

The extremely compact linkage ensures perfect ground adaptation and, since the centre of gravity is close to the tractor, even driving with light tractors is possible.

Front-mounted Oscillating linkage

Mows in all positions.

- Working width of 3.10 m
- Robust, flat spur gear cutter bar with EcoMode
- Two headstock variants
- Little forage contamination thanks to good ground adaptation
- Lots of convenient features
- High level of driving safety thanks to spring-centring system
- No hydraulic connection required
- Low contact pressure due to mechanical spring relief or hydropneumatics (optional)

RAMOS 3160 FP

Front-mounted oscillating linkage

The new generation of oscillating linkage mower adapts to larger working width in all circumstances and is suitable for use on flat terrains and hilly regions alike. For the variants with and without conditioner, two compact headstocks configured to the specific centre of gravity are incorporated in direct attachment. A large pendulum travel, multiple coupling points and a simple counterclockwise and clockwise adjustment afford a high degree of flexibility.

RAMOS 3160 FP-KC

Tine-rotor conditioner

RAMOS 3160 FP-RC

Roller conditioners

If you use a conditioner, you will achieve high-quality forage more quickly because moisture loss from plants is accelerated.

HANDY AND CLEAN

The drive shaft is always ready to hand and does not end up in the dirt thanks to the bracket..

SHORT ATTACHEMENT

The most compact attachment possible optimises mower guiding and reduces the load for the tractor and mower. For the new FP machines, there are two different direct headstocks that have been adapted to the centre of gravity of each mower with or without conditioner.

ALL-ROUND PROTECTION

A solid plastic strip around the guard protects against damage from minor impacts.

ALWAYS ONE CUT AHEAD

The robust and flat spur gear cutter bar with large mower discs combines an excellent conveying effect and even forage flow with low drag and extremely smooth running (see page 8).

PRACTICAL

Replacement blades and quick-change blade system key always to hand and within easy reach on the left-hand side.

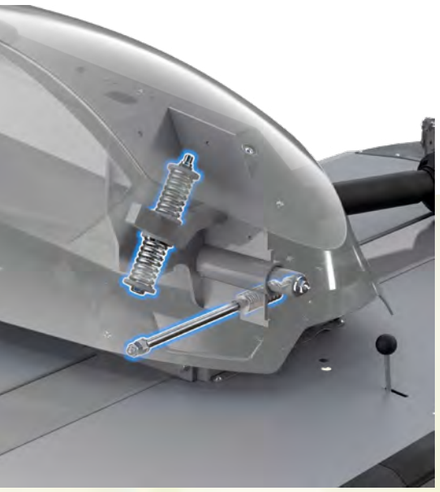
STURDY

The folding support leg creates a secure base.

ACCESSORIES

- Spring relief for attaching to tractors
- Hydropneumatic cutter bar suspension system (for KC-/RC-Machine)
- Stone guard for version with roller conditioner
- Hydraulic folding system for the side guard

FOLLOWS THE GROUND CONTOURS
The swinging axle mounted at the centre of gravity ensures optimal ground adaptation (+/– 7.5°), low contact pressure and a high level of driving safety.



CONVENIENT TRANSPORT
Adherence to the 3.00 m transport width thanks to folding safety equipment (with optional hydraulic operation).

PERFECTLY BALANCED
The integrated spring-centring system reliably prevents rocking even when driving quickly on roads. Positioning springs balance the cutter bar, thereby reducing the material load during transport and extending the service life.

WORKS WITH EVERYTHING
Three coupling points on the upper link and two on the lower link including pin rotation lock make it easier to adapt to different tractor models.

OPEN FOR EVERYTHING
The folding protective front hoods with tool-free central locking make the cutter bar easily accessible for maintenance and cleaning work.

SIMPLY CONDITIONED

- The tine-rotor conditioner (KC) can be adjusted without tools into four counter-comb positions to set the work intensity – depending on the prevailing operating conditions.
- The intensity of the roller conditioner (RC) is easily controlled via the spring tensioning force and the roller distance.
- The swath board can quickly be adjusted to any swath width required without the need for tools.

Front-mounted 3D headstock with trailing linkage

Uncompromising ground adaptation.

- Working widths of 3.10 m and 3.60 m
- Robust, flat spur gear cutter bar with EcoMode
- Three-dimensional kinematics for transverse and longitudinal ground adaptation
- Automatic mower unit inclination of -6° to +15°
- 450 mm ground clearance on the headland

RAMOS 3160 FQ
RAMOS 3670 FQ

3D headstock with trailing linkage

The RAMOS 3160 FQ and 3670 FQ front-mounted mowers meet the highest demands of modern farmers: The three-dimensional kinematics enable perfect ground adaptation in all directions, even at high driving speeds and in uneven terrain.

The overhead support frame – for absolute freedom of movement in all directions – and the automatic mower unit inclination inthe direction of travel are the key to achieving the highest forage quality.

RAMOS 3160 FQ-KC
RAMOS 3670 FQ-KC

Tine-rotor conditioner

RAMOS 3160 FQ-RC
RAMOS 3670 FQ-RC

Roller conditioners

If you use a conditioner, you will achieve high-quality forage more quickly because moisture loss from plants is accelerated. This gives you a decisive time advantage, particularly in unpredictable weather conditions.

ACCESSORIES

- Hydraulic lateral movement (20 cm each to the left and right)
- Hydraulically folding side guards for increased comfort
- Swath guide for operating without a conditioner for depositing an even narrower swath

HANDY AND CLEAN

The drive shaft is always ready to hand and does not end up in the dirt thanks to the bracket.

PRACTICAL

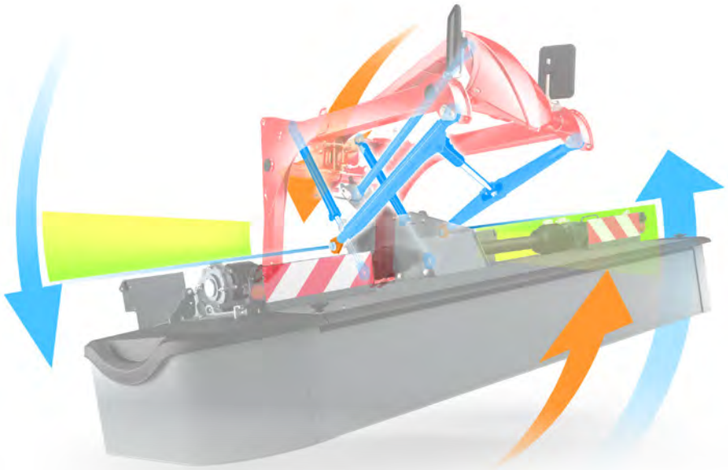
Replacement blades and keys for quick blade changes are always handy.

ALWAYS ONE CUT AHEAD

The robust and flat spur gear cutter bar with large mower discs combines an excellent conveying effect and even forage flow with low drag and extremely smooth running (see page 8).

REMAINS CLOSE TO THE GROUND

Thanks to the merging transverse and longitudinal movements of the three-dimensional kinematics, the mower precisely follows the ground contour. Perfect ground adaptation even at high driving speeds no longer poses a problem.



AUTOMATIC INCLINATION

Thanks to the dynamic inclination of up to 6° downwards and 15° upwards, the entire mower unit effortlessly follows the ground contours even along dips or mounds. This reliably prevents the cutter bar from penetrating the ground – minimising the impact on the sward and mower.

EXCELLENT FREEDOM OF MOVEMENT
The overhead mower towing frame ensures exceptional freedom of movement of up to +/- 13° during transverse pivot movements.

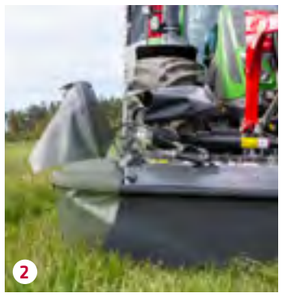
MOWING WITHOUT LOSSES IN ALL POSITIONS
Thanks to the hydraulic lateral movement (option), the FQ mower can be moved to the left or right as required by the situation from the comfort of the tractor seat. In bends, this stops you driving over growing crops. When drifting on a slope, counter-steering of the mower unit prevents the creation of strips.

FLOATING CUT
The TurboLift cutter bar relief continually enables an ideal contact pressure across the full working width (see page 14).

DIRECT ATTACHMENT
The strain on both tractor and machine is relieved by the direct attachment of the mower to the front lifting gear, resulting in the centre of gravity being close to the tractor.

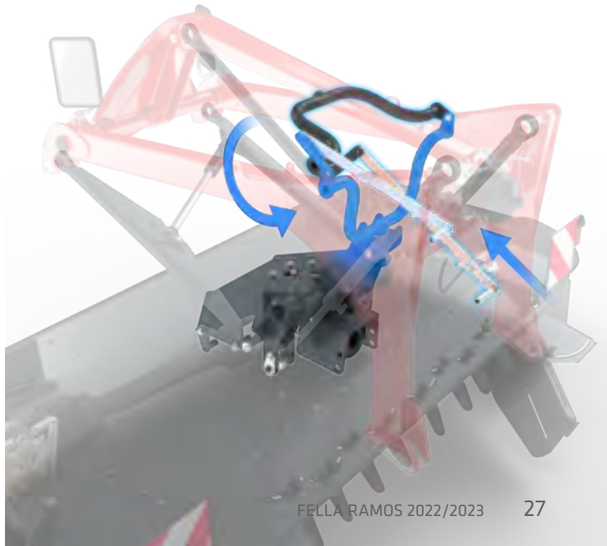
SWINGING INTO ACTION
1 The folding protective hoods make the cutter bar easily accessible for maintenance and cleaning work.

2 The side guards can be folded up to reduce the transport width – also available with hydraulic operation for even greater convenience.



LARGE GROUND CLEARANCE
The mower unit's vertical range of movement of 650 mm (200 mm downwards/450 mm upwards) ensures maximum freedom of movement, which is particularly advantageous on the headland as it makes it easy to drive over swaths lying there.

STRONG SUPPORT
The parking support ensures that the FQ mower is easy to hitch to the tractor.



RAMOS REAR-MOUNTED MOWERS

Trailed behind – not left behind.

Three-point attachment Side attachement

Big performance for small tractors.

- Working widths of 1.66–2.82 m
- Spur gear drive with inner skid
- All drive elements run in an oil bath
- Elastic V-belt drive with automatic V-belt tension protects the mower
- Cutter bar equipped with stone guard and large hardened skid as standard for a longer service life
- Tried and tested in a variety of applications

RAMOS 168 InLine
RAMOS 208 InLine
RAMOS 248 InLine
RAMOS 288 InLine

With inner skid

Thanks to their lightweight construction, FELLA disc mowers with inner skids are especially suitable for use with smaller tractors. Their adjustable lower link pins enable them to be fitted to an extremely wide variety of different tractors and tyre widths.

Three-point attachment Side attachement

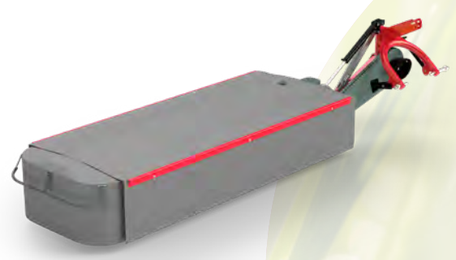
Specialists in extreme conditions.

- Working widths of 2.42–2.82 m
- Spur gear drive without inner skid
- All drive elements run in an oil bath
- Elastic V-belt drive with automatic V-belt tension protects the mower
- Cutter bar equipped with stone guard and large hardened skid as standard for a longer service life
- For demanding applications
- Quick blade change system as standard

RAMOS 2460 ISL
RAMOS 2870 ISL

Without inner skid

FELLA disc mowers from the ISL series have no inner skid and have been specially developed for particularly difficult terrain. Especially in difficult hillside locations, the formation of mounds of forage is avoided using mowers without inner skid. In this way, optimum forage flow and a clean cutting pattern is achieved even under extreme harvesting conditions.



ACCESSORIES

- Quick blade change system for InLine models
- Swath guiding assembly
- Extra swath disc for ISL models

CONVENIENT MAINTENANCE
Excellent ease of access due to protective sheets that can be folded on both sides. Left: RAMOS 248 InLine; Right: RAMOS 2870 ISL

CONSTANT LOAD RELIEF
The standard integrated spring relief ensures low ground pressure, thereby protecting the sward.

PRECISE CUTTING
An extremely flat cutter bar with mower discs which run in pairs guarantees a clean cutting pattern, even for deep cuts.

ISL – WITHOUT INNER SKID
Drive is provided to the first mower disc directly from above, enabling trouble-free mowing on slopes.

PROTECTION AGAINST COLLISION DAMAGE
Spring-loaded impact guard reliably protects against obstacles.

ADAPTABLE
Adjustable lower link pins enable adjustment for different tractors and tyre sizes.

Three-point attachment
Side attachment

Wide spread.

- Working widths of 2.05–3.50 m
- Mower for medium power class
- Compact angular gear
- Robust support frame
- Mechanical spring relief of the cutter bar
- Excellent ease of access due to protective sheets that can be folded on both sides
- Side hitch attachment – downward ground adaptation possible

Conditioners can be retrofitted

RAMOS 210
RAMOS 270
RAMOS 320
RAMOS 350

Rear-mounted three-point attachment, lateral

These models are rear-mounted mowers with side attachment that are in the medium power class and are available in various versions. Typical features of the machines include the mechanical spring relief and the robust V-belt drive. An impact guard is as much part of standard equipment as the option of having track adaptation on a wide range of tractors.

VERY USER-FRIENDLY

It could not be simpler to attach and remove the mower. The controlled kinematic lifting mechanism ensures that the cutter bar is lifted parallel to the ground at the headland. The machine is easily operated using a single-acting control unit – the position of the three-point hydraulics system remains unchanged. The sturdy mower cover opens widely on both sides allowing optimum access for cleaning and maintenance work.

RAMOS 210 KC
RAMOS 270 KC
RAMOS 320 KC

Tine-rotor conditioner

RAMOS 210 RC
RAMOS 270 RC

Roller conditioner

If you use a conditioner, you will achieve high-quality forage more quickly because moisture loss from plants is accelerated. This gives you a decisive time advantage, particularly in unpredictable weather conditions.

PROTECTION AGAINST COLLISION DAMAGE

The spring-loaded impact guard reliably protects against obstacles.

CONVENIENT TOOL-FREE MAINTENANCE

Excellent ease of access due to protective sheets that can be folded on both sides.

RELIABLY DRIVEN

The elatic V-belt drive with automatic V-belt tension buffers load peaks and protects the mower.

PRACTICAL

Replacement blades and the quick-change blade system tool are always close at hand.

ACCESSORIES

- ComfortChange quick blade change system
- Mower disc with conveyor vane for optimal forage transport
- Additional skids for greater cutting heights and as wear protection for stony and sandy ground
- driveGUARD® retrofit kit
- Conditioner retrofit kit

LARGE LIFT TRAVEL

1 The kinematic lifting mechanism prevents the sward from being pierced, thanks to the large lifting height at the headland. Downward ground adaptation is possible through interaction with the side attachment – ideal for mowing on sloping terrain.

COMPACT AND SAFE

2 The horizontal lock close to the tractor guarantees a high level of transport stability and ensures stability even on uneven terrain.

OPTIMAL CROP FLOW

3 The right- and left-hand conveyor drums ensure neat forage harvesting.

*Equipment variant

Three-point attachment
Middle attachment

Free-floating cutting.

- Working widths of 4.00–4.50 m
- Premium mower with middle attachment
- Compact angular gear
- Perfect ground adaptation
- Continually optimal contact pressure
- High forage throughput with low raw ash content
- Gentle on the sward
- Slide track in both longitudinal and transverse direction – FELLA patent
- The mower unit does not pivot at the headland
- KENNFIXX® connector

RAMOS 4080 TL
RAMOS 4590 TL

Rear attachment with TurboLift system

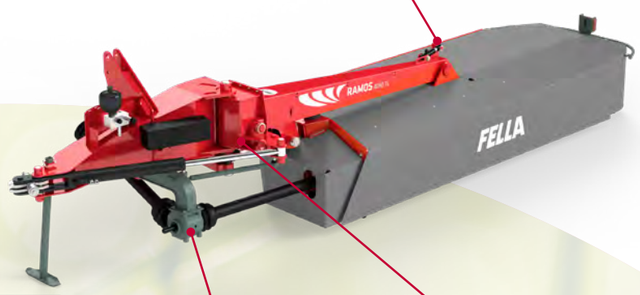
These models are specifically designed to meet the increasing demand for powerful rear-mounted mowers. Despite their large working width of up to 4.50 m, the mowers that are attached at their centre of gravity have extremely good ground adaptation.

FREE-FLOATING CUTTING

Thanks to its continually optimal contact pressure, the innovative TurboLift cutter bar suspension system guarantees minimal forage contamination, protection for the sward and improved cutting quality in recesses and sinks. Additionally, the machine and tractor are under less load thanks to the "floating cut". Furthermore, a special hydraulic compensating cylinder reduces pivoting at the headland.

CORRECT HEIGHT

The practical working height indicator reduces set-up and take-down times out in the field.



TRANSPORT POSITION

RAMOS 4080 TL

CONVENIENT MAINTENANCE

The full-cloth guard which can be folded on both sides ensures easy access and weight reduction (RAMOS 4080 TL).

OPTIMUM GUIDANCE OF THE CUTTER BAR

Optimum stability and guidance of the cutter bar is guaranteed thanks to the patented slide track. As a result, the load on the lifting arm of the mower is relieved and the excellent ground adaptation is reinforced.

FOLDS AWAY PERFECTLY

The impact guard with pivoting gearbox ensures maximum safety against obstacles. The pivoting gearbox also provides the mower with a very wide angle of yield and ensures that the drive shaft is not damaged.

ACCESSORIES

- Additional skids for greater cutting heights and as wear protection for stony and sandy ground
- Set of conveyor drums for 2-swath deposit
- Mower disc with conveyor vane for optimal forage transport

Three-point attachment
Middle attachment

For optimal cutting.

- Working widths of 2.60 m–3.60 m
- Robust, flat spur gear cutter bar with EcoMode
- X-folding at the machine's centre of gravity (117°–119°, depending on working width)
- Wide working angle for optimum ground adaptation
- Many features designed for increased convenience
- Continually optimal contact pressure – perfect ground adaptation
- High forage throughput with low raw ash content
- Gentle on the sward
- The mower unit does not swing at the headland
- KENNFIXX® connector

RAMOS 2650 TLX
RAMOS 3160 TLX
RAMOS 3670 TLX

Rear attachment with TurboLift system and X-folding

The new RAMOS TLX series combines TurboLift technology for optimised ground contour following with a comprehensive range of safety and convenience features. Encompassing a wide range of different models, this series has the right machine for virtually any farm. Featuring a central attachment point, the new vertical X-folding system and the SafetySwing professional impact guard, you can be sure that these machines will always be safe and secure, whether they're on the field or out on the road. A whole host of practical features have been included to make harvesting easier and to make controlling your machinery more convenient.

RAMOS 2650 TLX-KC
RAMOS 3160 TLX-KC
RAMOS 3670 TLX-KC

Tine-rotor conditioner

RAMOS 2650 TLX-RC
RAMOS 3160 TLX-RC
RAMOS 3670 TLX-RC

Roller conditioner

If you use a conditioner, you will achieve high-quality forage more quickly because moisture loss from plants is accelerated. This gives you a decisive time advantage, particularly in unpredictable weather conditions.

ACCESSORIES

- Hydraulically folding end cover
- Hydraulic transport locking system
- Supports for parking with mower in vertical position
- Swath guide for operating without a conditioner for depositing an even narrower swat

CORRECT HEIGHT
The practical working height indicator reduces set-up and take-down times out in the field.

PRACTICAL
Replacement blades and the quick-change blade system tool are always close at hand.

CONVENIENT TRANSPORT
The transport height is maintained by means of a folding guard (with optional hydraulic operation).

EASY TO ADJUST
The tine-rotor conditioner (KC) offers five counter-comb positions for adjusting conditioning intensity, depending on the prevailing application conditions.

ALL-ROUND PROTECTION
A solid plastic strip around the guard protects against damage from minor impacts.

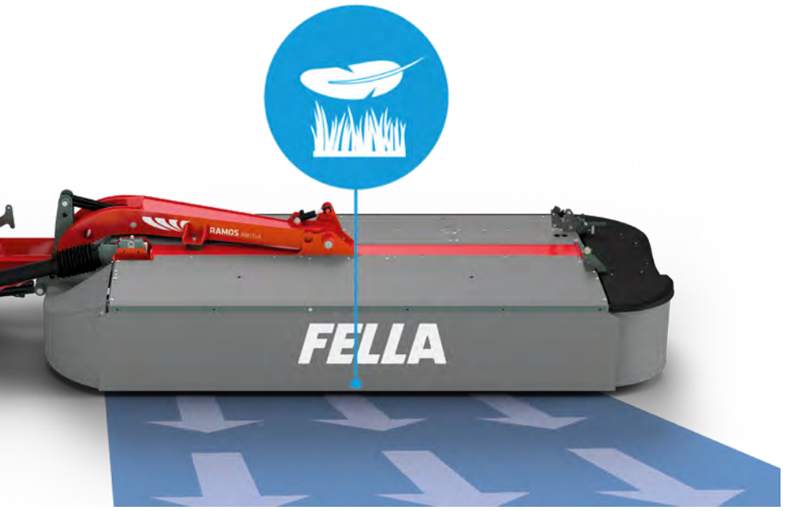
ALWAYS ONE CUT AHEAD
The robust and flat spur gear cutter bar with large mower discs combines an excellent conveying effect and even forage flow with low drag and extremely smooth running (see page 8).

EFFECTIVE FOLDING
Hydraulic cylinders fold the RAMOS TLX mowers vertically towards the machine's centre of gravity, with a shock absorber minimising the impact when they reach their end position.

- The even distribution of weight on the lower link and axle allows for good stability and agility when the machine is being transported.
- The compact transport position means that height restrictions are not a problem.

EVERYTHING IN ORDER
Practical parking supports are available as an option for RAMOS TLX mowers. These save space when parking the machinery in the transport position.

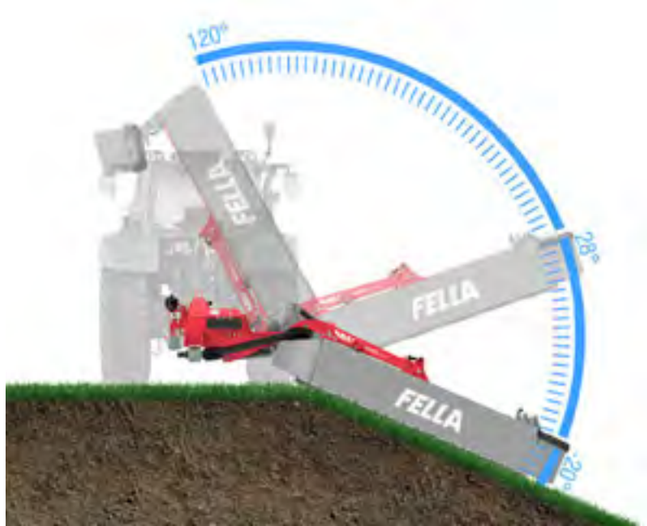
PARKING WITHOUT PRESSURE
The pressure-relief button on the mower's control device reduces the pressure to zero in one swift action. When you attach the mower, the system automatically restores the optimal pressure.



FLOATING CUT
The TurboLift cutter bar suspension system ensures that the optimal contact pressure is maintained across the entire working width (see p. 14).

- Minimal forage contamination, protection for the sward and improved cutting quality in recesses and hollows
- Freely adjustable as you travel
- Automatic calibration at every headland
- Reduced fuel consumption

SAFETYSWING – FOLDS AWAY SECURELY
The SafetySwing impact guard, which is usually only used for large-area mowers, provides optimum safety in any field and reliably protects your machine from damage caused by striking objects. If the mower encounters an obstacle, it will fold back and up out of the way, and then automatically returns to its original position under its own weight (see p. 15).



GROUND ADAPTATION AND GROUND CLEARANCE
The new boom arm design features a bend, allowing TLX mowers to achieve a wide working angle of between +28° and -18°. This optimally compensates for unevenness and height differences in the ground.

An integrated compensating cylinder also prevents rocking at the headland and allows for a large ground clearance.

RAMOS
MOWER COMBINATIONS

Cutting power without compromise.

Mower combination

Variable light weight with high area output.

- Working widths of 8,30/8,60 m and 9,30/9,60 m
- Robust, flat spur gear cutter bar with EcoMode
- Low stress thanks to compact linkage
- "EasySwing" anti-collision device
- Perfect ground adaptation and gentle on the sward
- Continually optimal contact pressure
- Sophisticated design and many features designed for increased convenience
- Wide working angle for optimum ground adaptation
- The mower unit does not swing at the headland

RAMOS 8612 TL
RAMOS 9614 TL

Mower combination with TurboLift

The new low-drag RAMOS series of mower combinations combine the benefits of a weight-optimised design with the latest FELLA drive technology, high cutting power and economic efficiency.
The mowers feature the TurboLift hydropneumatic cutter bar suspension system and guarantee a continuously optimum contact pressure and a floating cut. Thanks to the efficient power transmission of the drive concept, the mower units deliver full output even at low speeds and in tractors with low horsepower, thereby saving fuel and minimising impact on crops when mowing.

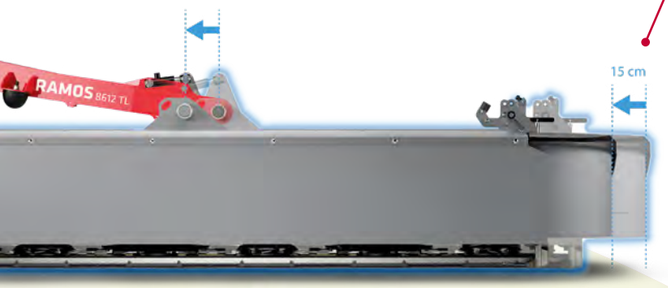
RAMOS 8612 TL-KC

Tine-rotor conditioner

RAMOS 8612 TL-RC

Roller conditioner

If you use a conditioner, you will achieve high-quality forage more quickly because moisture loss from plants is accelerated.

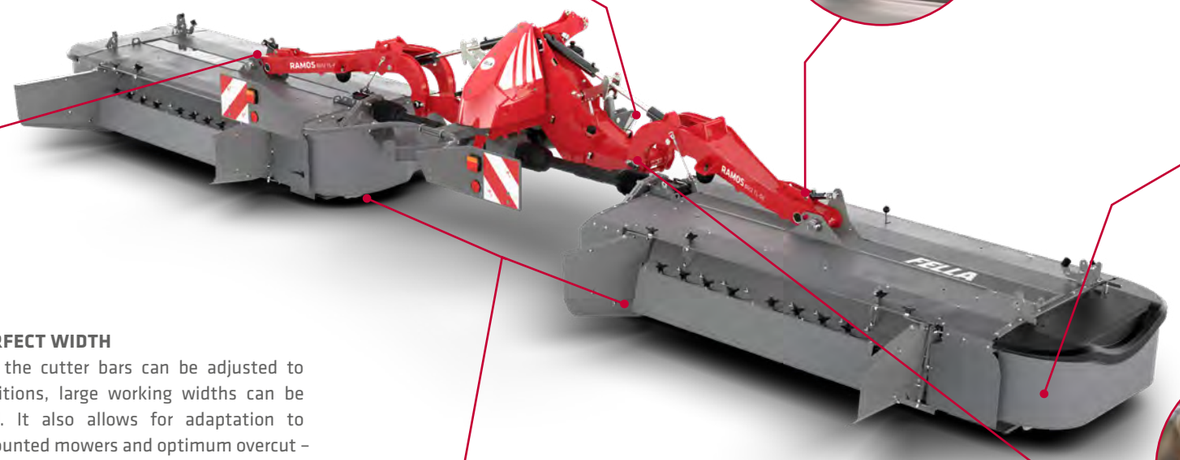


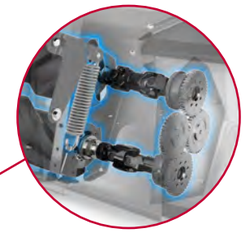
ACCESSORIES

- Electrohydraulic individual lift (preselect switching)
- Hydraulic foldable protective covers
- Hydraulic transport lock
- DUO-Drive for RAMOS 8612 TL-RC

NEAT AND TIDY
All connections plug neatly and safely into the hose cabinet.

CORRECT HEIGHT
The practical working height indicator reduces set-up and take-down times out in the field.





WORKING BETTER IN PAIRS
The optional DUO drive drives both conditioner rollers directly and therefore guarantees higher throughput in large and heavy types of forage.

THE PERFECT WIDTH
Because the cutter bars can be adjusted to two positions, large working widths can be achieved. It also allows for adaptation to front-mounted mowers and optimum overcut – without having to shorten the drive shaft.

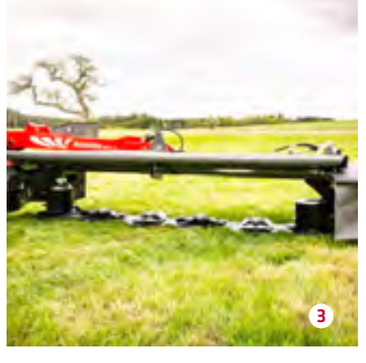
ALWAYS ONE CUT AHEAD
The robust and flat spur gear cutter bar with large mower discs combines an excellent conveying effect and even forage flow with low drag and extremely smooth running (see page 8).

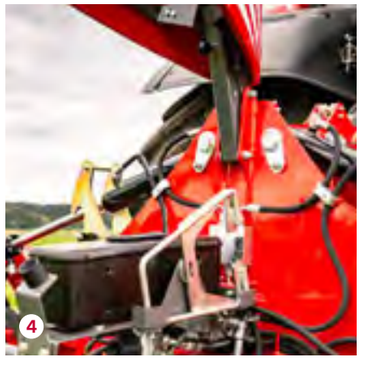
COMPACT TRANSPORT
The mower unit support arm has a low-lying pivot point, ensuring that the mower has a low centre of gravity and a compact, low transport position.

GROUND ADAPTATION AND GROUND CLEARANCE
The new boom arm design features a bend, allowing TLX mowers to achieve a wide working angle of between +30° and -19°. This optimally compensates for unevenness and height differences in the ground.

An integrated compensating cylinder also prevents rocking at the headland and allows for a large ground clearance.

EASYSWING – FOLDS AWAY SECURELY
The mechanical EasySwing impact guard provides optimum safety on any field and reliably protects your machine from damage caused by hitting obstructions. If the mower encounters an obstacle, it will fold back and away and then automatically return to its original position under its own weight.





STURDY
1 Three stable parking supports ensure a solid footing when in the space-saving transport position. The pressure-relief button on the mower's control device reduces the pressure to zero. When you attach the mower, the system automatically restores the preset pressure.

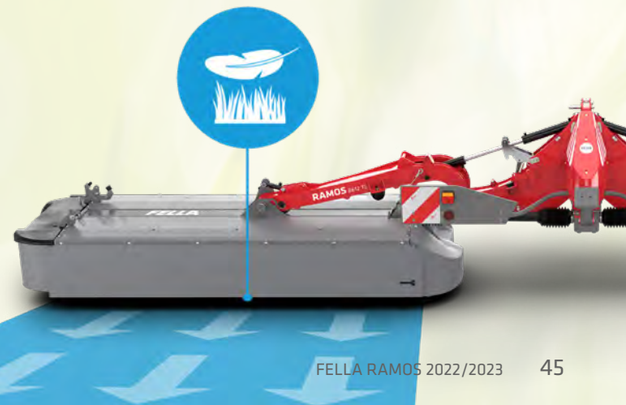
ALL-ROUND PROTECTION
2 A solid plastic strip around the guard protects against damage from minor impacts. Folding protective covers ensure the transport height (hydraulic optional) is maintained

OPEN FOR EVERYTHING
3 The folding protective hoods with tool-free central locking make the cutter bar easily accessible for maintenance and cleaning work.

UNDER THE COVER
4 The quick-change blade system key and a box for blades and tools are neatly stored in the easy-to-open cover.

FLOATING CUT
The TurboLift cutter bar suspension system ensures that the optimal contact pressure is maintained across the entire working width (see p. 14).

- Minimal forage contamination, protection for the sward and improved cutting quality in recesses and hollows
- Freely adjustable as you travel
- Automatic calibration at every headland
- Reduced fuel consumption



Mower combination

Easily conditioned.

- Working width of 9.30 m
- Compact angular gear
- "SafetySwing" anti-collision device
- Trailed cutter bar hitch attachment – pulling is easier than pushing
- The mower unit does not pivot at the headland

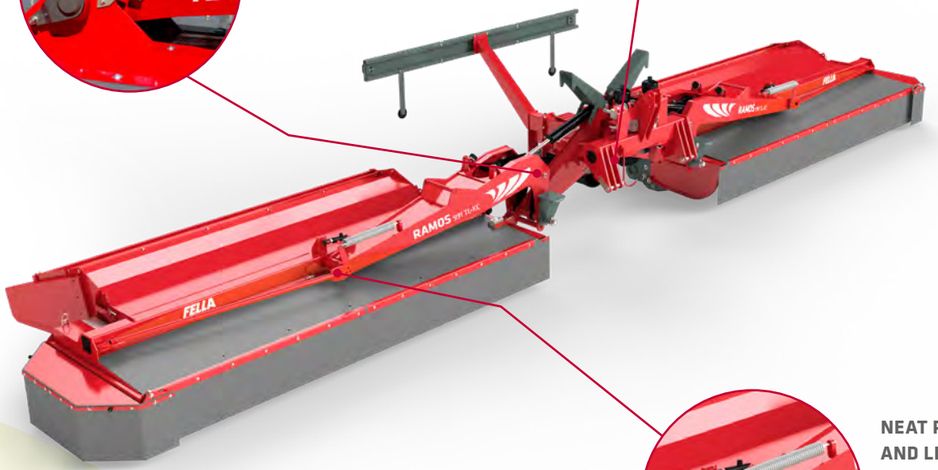
RAMOS 991 TL-KC

Mower combination with TurboLift and tine-rotor conditioner

This mower combination combine the benefits of the FELLA compact angular cutter bar, the TurboLift system and the SafetySwing impact guard in one low-drag conditioner machine

With a conditioner, you achieve your high-quality forage more quickly because the moisture loss from the plants is accelerated. This gives you a decisive time advantage, particularly in unpredictable weather conditions.

CORRECT HEIGHT
The practical working height indicator reduces set-up and take-down times out in the field.

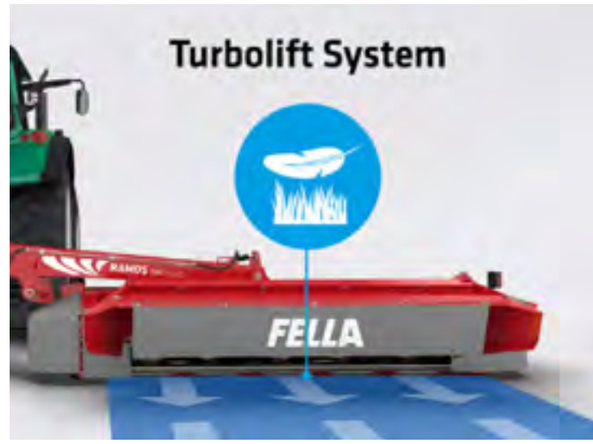


IN BALANCE
The mower unit mounted at the centre of gravity relieves the load on the lifting arm and ensures excellent ground adaptation and uniform contact pressure.

NEAT POSITIONING AND LIFTING
The centring springs on the mower units ensure positioning and lifting parallel to the ground. This protects the sward and reduces forage contamination.

FLOATING CUT
The TurboLift cutter bar suspension system ensures that the optimal contact pressure is maintained across the entire working width (see p. 14).

- Minimal forage contamination, protection for the sward and improved cutting quality in recesses and hollows
- Freely adjustable as you travel
- Automatic calibration at every headland
- Reduced fuel consumption



ACCESSORIES

- Additional skids as wear protection and for greater cutting heights
- Mower discs with conveyor vanes for optimal transport of the forage to the conditioner
- Electrohydraulic individual lift

Mower combination with ISOBUS

For the highest demands.

- Working width of 9.30 m
- Compact angular gear
- Operation of all mower functions via the ISOBUS control system
- Rotational speed monitoring
- Wide conveyor belt with integrated beMOVE hydraulic lateral movement
- Single, partial or triple deposit thanks to conveyor belts that can be raised individually
- Trailed cutter bar hitch attachment – pulling is easier than pushing
- The mower unit does not pivot at the headland
- Retrofit kit available for non-ISOBUS-compatible tractors

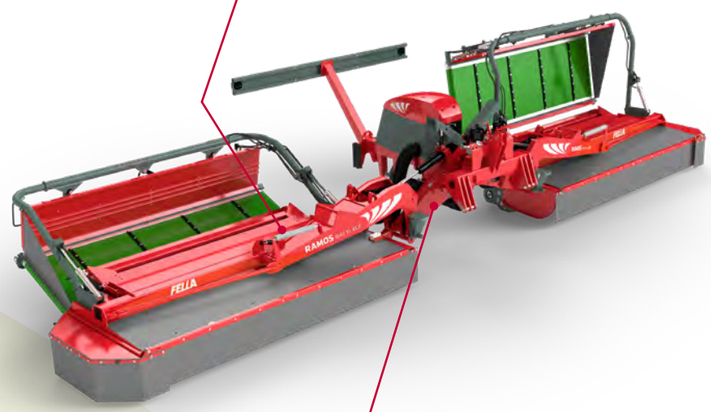
Active contact pressure regulation

RAMOS 9314 TL-KCB

ISOBUS combination with TurboLift, tine-rotor conditioner and conveyor belt

Advanced machine technology coupled with a state-of-the-art ISOBUS equipment control system make the FELLA mower combinations with conveyor belts stand out from the rest. The working width of 9.30 m makes it possible to efficiently handle large volumes of forage.

The trailed hitch attachment of the mower ensures that green forage is mowed with minimal impact on the ground and that the mower is particularly efficient, making this mower combination particularly interesting in terms of cost-efficiency.



NEAT POSITIONING AND LIFTING

The centring springs on the mower units ensure positioning and lifting parallel to the ground. This protects the sward and reduces forage contamination.

COMPACT TRANSPORT

The mower unit support arm has a low-lying pivot point, ensuring that the mower has a low centre of gravity and a compact, low transport position.

ACCESSORIES

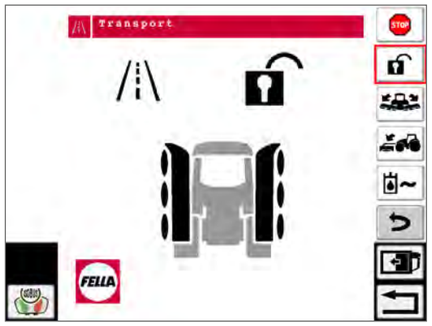
- ISOBUS tractor retrofit kit for operating and programming all mower functions via the control terminal
- Rotation speed monitoring for front-mounted mower
- Closed tank for forage transfer without losses
- Section Control for satellite-controlled lifting and lowering of mower units

ISOBUS – SIMPLE AND SAFE TO OPERATE

The ISOBUS equipment control system provides the driver with a clear view of all important machine parameters on the tractor terminal at all times. This means optimum ergonomics and maximum assistance for the driver.

All mower functions, such as single lift, conveyor belt operation and slope function, can be operated using a terminal and can be programmed using the control lever or joystick if necessary.

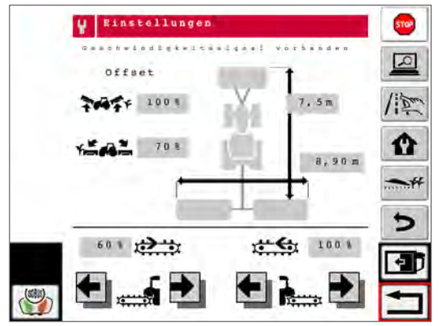
The software can optionally be extended with the addition of Section Control for satellite-controlled lifting and lowering of mower units.



A computer-assisted automatic folding function with hydraulic transport lock allows for easy changing to the transport position, and protects the machine's power train from damage.

Sensors are used to monitor the rotational speed, which allows the driver to anticipate possible overloading of the power train early on. The benefit to you: Maximum utilised capacity and machine safety at the same time.

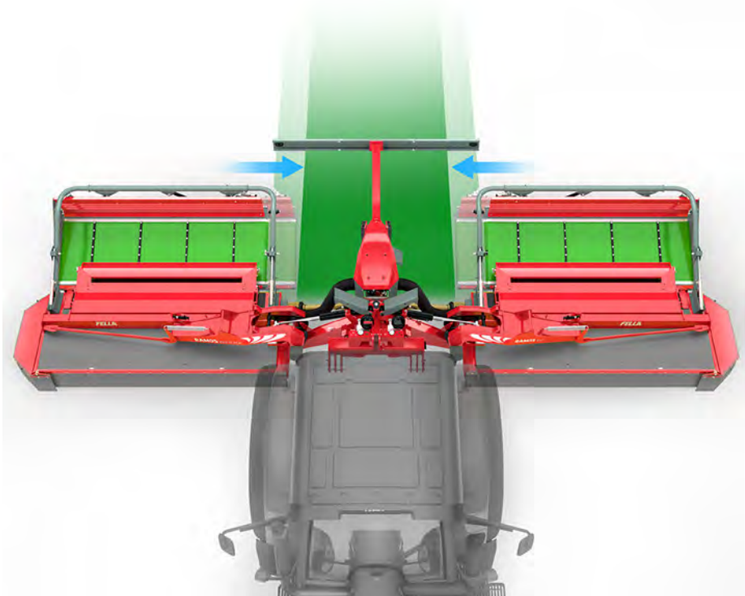
AUTOMATION WITH BENEFITS
By combining the front-mounted mower and the rear units, it is possible to fully automate the work processes. Hour and hectare counters with integrated part-width shut-off can be used by agricultural contractors for sharing information and monitoring purposes.



ACTIVE CONTACT PRESSURE REGULATION
As well as the TurboLift system, the ISOBUS mowers are equipped with active contact pressure regulation, which can easily be controlled using the ISOBUS terminal. Even on extremely uneven surfaces and at differing travel speeds, the contact pressure remains constant. The “intelligent” system does not just guarantee the best possible protection for the sward; it also reduces the risk of damage and wear to the mower.

PERFECT PREPARATION
The transverse conveyor belts enable the highest possible level of flexibility for swath positioning. Single, partial or triple deposit – always suitable for trailing machines.

ON THE RUNNING BELT
Thanks to the arrangement and large dimensions of the belts, the risk of blockage is reduced to a minimum. This prevents downtime, even with large volumes of forage and over long-term use.



WIDE BELT WITH INTEGRATED BEMOVE HYDRAULIC LATERAL MOVEMENT
Our engineers have developed a particularly wide conveyor belt (940 x 2700 mm) for the FELLA mower combinations which can be used for processing larger volumes of forage without any difficulty and for continuous running at higher working speeds. Using the beMOVE hydraulic lateral movement and the conveyor belt’s speed setting, it is always possible to optimally adjust the mower’s swath width to the working conditions and the collecting machines following behind, all from the comfort of the driver’s seat.

RAMOS TRAILED MOWERS

Perfectly led.

Trailed with transport chassis

Simple handling, superb agility.

- Working width of 3.00 m
- Compact angular gear
- Centrally pivoted drawbar
- Tine-rotor conditioner or roller conditioner
- Excellent ground adaptation
- Infinitely adjustable cutting height
- Uniform power transmission through robust pivoting gearbox – low wear and long service life
- KENNFIXX® connector
- Transport speed of up to 40 km/h (country-specific)

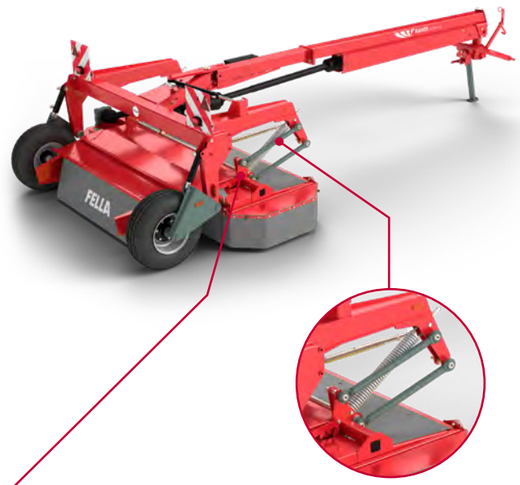
RAMOS 313 TRANS-KC

Transport chassis with tine-rotor conditioner

RAMOS 313 TRANS-RC

Transport chassis with roller conditioner

The machine is particularly characterised by its ease of handling and superb agility. The mower can be pivoted behind the tractor, both to the left and right. The sturdy pivoting gearbox means there is even power transmission in all working situations, without the drive shaft kinking. The working height can be infinitely and conveniently adjusted by a central crank. In addition, you can optimally adjust the contact pressure of the mower to your conditions. With a transport speed of up to 40 km/h (country-specific), the transport is handled quickly and simply.

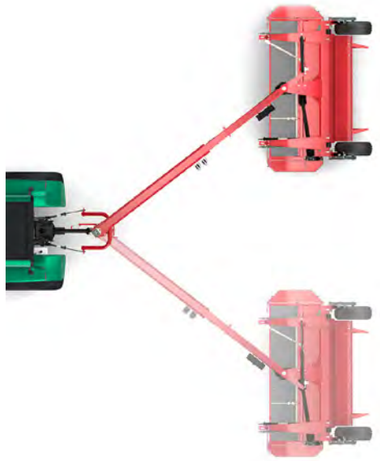


EXCELLENT GROUND ADAPTATION

The cutter bar is mounted at the outermost points on the sturdy support frame. In conjunction with the parallel adaptation of the mower unit to uneven ground, the mower is reliably prevented from piercing the sward

PULLING IS EASIER THAN PUSHING

Lower ground pressure and fuel consumption thanks to the towing point positioned well towards the front of the suspension mounting.



CENTRALLY PIVOTED DRAWBAR

The mower can be pivoted behind the tractor, both to the left and right.

HIGH FLYER

The lifting height of 435 mm makes it easy to drive over swaths.

ACCESSORIES

- ComfortChange quick blade change system
- Large-size tyres 11.5/80–15.3 for low ground pressure on surfaces that are less able to support heavy weights

Technical data

FRONT-MOUNTED MOWERS

RAMOS	210 FK-S	260 FK	260 FP	260 FP-S	3160 FP	3160 FP-KC	3160 FP-RC	310 FP-K
Dimensions and weight								
Approx. working width in m	2.05	2.50	2.50	2.50	3,10	3,10	3,10	3.00
Approx. transport width in m	2.08	2.50	2.50	2.50	2,99	2,99	2,99	3.00
Approx. swath width in m	1.10	1.35	1.35	1.35	1,80	1,20 - 2,00	1,20 - 2,00	2.00
Approx. transport height in m	–	–	–	–	–	–	–	–
Approx. transport length in m	1.18	1.29	1.21	1.21	1,65	1,74	1,74	1.25
Approx. weight in kg	373	410	474	504	710	1.015	1.045	694
Power demand								
Approx. power demand in kW/hp	19/26	22/30	28/38	28/38	44/60	56/75	52/70	55/75
Attachment								
Three-point	CAT I	CAT I	CAT II	CAT II	CAT II	CAT II	CAT II	CAT II
Two-point lower links	–	–	–	–	–	–	–	–
Mower unit								
Mower discs	4	4	4	4	6	6	6	6
Blades per disc	2	2	2	2	2	2	2	2
Quick blade change system/ComfortChange	□	–	–	–	■	■	■	■
Conditioner	–	–	–	–	–	KC	RC	–
Transverse conveyor belt	–	–	–	–	–	–	–	–
Hydraulic lateral movement	□*	–	–	■	–	–	–	–
driveGUARD®	□	□	–	–	–	–	–	■
Hydraulics and PTO shaft								
Required hydraulic connections	–	–	–	–	–	–	–	–
PTO rpm	540/1000	540/1000	540/1000	540/1000	1.000	1.000	1.000	1000
Lighting and tyres								
Electric lighting	–	–	–	–	□	□	□	□
Warning signs	–	–	–	–	□	□	□	□
Transport wheel	–	–	–	–	–	–	–	–
Drive								
Spur gear drive	–	–	–	–	■	■	■	–
Compact angular gear	■	■	■	■	–	–	–	■

■ *Series* □ *Equipment variant* **–** *not available*
** mechanical as standard, hydraulic optional*

[1] *only required for optional hydraulic lateral movement*
[2] *for the "Electro-hydraulic controller" option, the number of control units is reduced to 1x load-sensing connection*

MACHINE DESIGNATIONS AND ABBREVIATIONS:

- **FK:** Front-mounted compact headstock
- **FP:** Front-mounted oscillating headstock
- **FP-K:** Front-mounted oscillating linkage, short
- **FQ** Front-mounted 3D headstock with trailing linkage
- **TL:** TurboLift system
- **TLX:** TurboLift system + X-folding
- **Trans:** Transport chassis
- **B:** Belt
- **KC:** Tine-rotor conditioner
- **RC:** Roller-conditioner with rubber profile units
- **InLine:** Spur gear drive with inner skid
- **ISL:** Spur gear drive without inner skid


driveGUARD®


TurboLift


Tine-rotor conditioner

EcoMode


ComfortChange


SafetySwing/
EasySwing


Roller conditioner

Illustrations show some of the special equipment. The right to technical revision is reserved.Some machines available in selected countries only. The images provided do not necessarily correspond to the most recent version of standard equipment.

Technical data

FRONT-MOUNTED MOWERS

RAMOS	3160 FQ	3160 FQ-KC	3160 FQ-RC	3670 FQ	3670 FQ-KC	3670 FQ-RC
Dimensions and weight						
Approx. working width in m	3.10	3.10	3.10	3.60	3.60	3.60
Approx. transport width in m	2.99	2.99	2.99	3.49	3.49	3.49
Approx. swath width in m	1.80	1.20–2.00	1.20–2.00	2.30	1.70–2.50	1.70–2.50
Approx. transport height in m	–	–	–	–	–	–
Approx. transport length in m	2.05	2.05	2.05	2.05	2.05	2.05
Approx. weight in kg	950	1238	1238	1020	1343	1373
Power demand						
Approx. power demand in kW/hp	44/60	56/75	52/70	52/70	67/90	63/85
Attachment						
Three-point	CAT II	CAT II	CAT II	CAT II	CAT II	CAT II
Two-point lower links	–	–	–	–	–	–
Mower unit						
Mower discs	6	6	6	7	7	7
Blades per disc	2	2	2	2	2	2
Quick blade change system/ ComfortChange	■	■	■	■	■	■
Conditioner	–	KC	RC	–	KC	RC
Transverse conveyor belt	–	–	–	–	–	–
Hydraulic lateral movement	□	□	□	□	□	□
driveGUARD®	–	–	–	–	–	–
Hydraulics and PTO shaft						
Required hydraulic connections	1 x SA	1 x SA	1 x SA	1 x SA	1 x SA	1 x SA
PTO rpm	1000	1000	1000	1000	1000	1000
Lighting and tyres						
Electric lighting	□	□	□	□	□	□
Warning signs	□	□	□	□	□	□
Transport wheel	–	–	–	–	–	–
Drive						
Spur gear drive	■	■	■	■	■	■
Compact angular gear	–	–	–	–	–	–

■ *Series* □ *Equipment variant* – *not available*
** mechanical as standard, hydraulic optional*

[1] *only required for optional hydraulic lateral movement*
[2] *for the "Electro-hydraulic controller" option, the number of control units is reduced to 1x load-sensing connection*

MACHINE DESIGNATIONS AND ABBREVIATIONS:

- **FK:** Front-mounted compact headstock
- **FP:** Front-mounted oscillating headstock
- **FP-K:** Front-mounted oscillating linkage, short
- **FQ** Front-mounted 3D headstock with trailing linkage
- **TL:** TurboLift system
- **TLX:** TurboLift system + X-folding
- **Trans:** Transport chassis
- **B:** Belt
- **KC:** Tine-rotor conditioner
- **RC:** Roller-conditioner with rubber profile units
- **InLine:** Spur gear drive with inner skid
- **ISL:** Spur gear drive without inner skid

Illustrations show some of the special equipment. The right to technical revision is reserved.Some machines available in selected countries only. The images provided do not necessarily correspond to the most recent version of standard equipment.

Technical data

REAR-MOUNTED MOWERS

RAMOS	168 InLine	208 InLine	248 InLine	288 InLine	2460 ISL	2870 ISL
Dimensions and weight						
Approx. working width in m	1.66	2.06	2.42	2.82	2.42	2.82
Approx. transport width in m	1.73	1.73	1.73	1.73	1.80	1.80
Approx. swath width in m	0.90	1.25	1.65	2.00	1.65	2.00
Approx. transport height in m	2.47	2.85	3.23	3.61	3.30	3.70
Approx. transport length in m	1.25	1.25	1.25	1.25	1.35	1.35
Approx. weight in kg	372	407	437	475	510	550
Power demand						
Approx. power demand in kW/hp	22/30	30/41	37/50	44/60	37/50	44/60
Attachment						
Three-point	CAT I + II	CAT I + II	CAT I + II	CAT I + II	CAT I + II	CAT I + II
Two-point lower links	–	–	–	–	–	–
Mower unit						
Mower discs	4	5	6	7	6	7
Blades per disc	2	2	2	2	2	2
Quick blade change system/ ComfortChange	□	□	□	□	■	■
Conditioner	–	–	–	–	–	–
Transverse conveyor belt	–	–	–	–	–	–
Hydraulic lateral movement	–	–	–	–	–	–
driveGUARD®	–	–	–	–	–	–
Hydraulics and PTO shaft						
Required hydraulic connections	1 x SA	1 x SA	1 x SA	1 x SA	1 x SA	1 x SA
PTO rpm	540	540	540	540	540	540
Lighting and tyres						
Electric lighting	–	–	–	–	–	–
Warning signs	–	–	–	–	–	–
Transport wheel	–	–	–	–	–	–
Drive						
Spur gear drive	■	■	■	■	■	■
Compact angular gear	–	–	–	–	–	–

driveGUARD®

ComfortChange

TurboLift

SafetySwing/ EasySwing

Tine-rotor conditioner

Roller conditioner

EcoMode

Technical data

REAR-MOUNTED MOWERS

RAMOS	210	270	320	350	4080 TL	4590 TL	2650 TLX	2650 TLX-KC	2650 TLX-RC	3160 TLX	3160 TLX-KC	3160 TLX-RC	3670 TLX	3670 TLX-KC	3670 TLX-RC
Dimensions and weight															
Approx. working width in m	2.05	2.55	3.00	3.50	4.00	4.50	2.60	2.60	2.60	3.10	3.10	3.10	3.60	3.60	3.60
Approx. transport width in m	2.13	2.13	2.13	2.13	2.30	2.30	2.20	2.20	2.20	2.50	2.50	2.50	2.80	2.80	2.80
Approx. swath width in m	1.10	1.60	1.80	2.30	3.30	3.80	1.40	0.90-1.50	0.90-1.50	1.80	1.20-2.00	1.20-2.00	2.30	1.70-2.50	1.70-2.50
Approx. transport height in m	2.47	2.95	3.43	3.91	–	–	3.17	3.17	3.17	3.58	3.58	3.58	3.99	3.99	3.99
Approx. transport length in m	1.30	1.30	1.30	1.30	5.60	6.10	1.70	2.10	2.10	1.70	2.10	2.10	1.70	2.10	2.10
Approx. weight in kg	612	630	724	798	980	1100	950	1150	1150	1050	1350	1350	1200	1500	1500
Power demand															
Approx. power demand in kW/hp	36/49	40/54	45/61	50/68	72/99	84/115	55/75	74/100	74/100	63/85	85/115	85/115	70/95	96/130	96/130
Attachment															
Three-point	CAT II	CAT II	CAT II	CAT II	CAT II + III	CAT II + III	CAT II + III	CAT II + III	CAT II + III	CAT II + III	CAT II + III	CAT II + III	CAT II + III	CAT II + III	CAT II + III
Two-point lower links	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Mower unit															
Mower discs	4	5	6	7	8	9	5	5	5	6	6	6	7	7	7
Blades per disc	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Quick blade change system/ComfortChange	□	□	□	□	■	■	■	■	■	■	■	■	■	■	■
Conditioner	□ KC/RC	□ KC/RC	□ KC	–	–	–	–	–	–	–	KC	RC	–	KC	RC
Transverse conveyor belt	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Hydraulic lateral movement	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
driveGUARD®	□	□	□	□	■	■	–	–	–	–	–	–	–	–	–
Hydraulics and PTO shaft															
Required hydraulic connections	1 x SA	1 x SA	1 x SA	1 x SA	1 x SA, 1 x DA	1 x SA, 1 x DA	1 x SA, 1 x DA	1 x SA, 1 x DA	1 x SA, 1 x DA	1 x SA, 1 x DA	1 x SA, 1 x DA	1 x SA, 1 x DA	1 x SA, 1 x DA	1 x SA, 1 x DA	1 x SA, 1 x DA
PTO rpm	540	540	540	540	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Lighting and tyres															
Electric lighting	□	□	□	□	■	■	□	□	□	□	□	□	□	□	□
Warning signs	□	□	□	□	■	■	□	□	□	□	□	□	□	□	□
Transport wheel	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Drive															
Spur gear drive	–	–	–	–	–	–	■	■	■	■	■	■	■	■	■
Compact angular gear	■	■	■	■	■	■	–	–	–	–	–	–	–	–	–

■ *Series* □ *Equipment variant* **–** *not available*
** mechanical as standard, hydraulic optional*

[1] *only required for optional hydraulic lateral movement*
[2] *for the "Electro-hydraulic controller" option, the number of control units is reduced to 1 x load-sensing connection*

MACHINE DESIGNATIONS AND ABBREVIATIONS:

- **FK:** Front-mounted compact headstock
- **FP:** Front-mounted oscillating headstock
- **FP-K:** Front-mounted oscillating linkage, short
- **FQ** Front-mounted 3D headstock with trailing linkage
- **TL:** TurboLift system
- **TLX**: TurboLift system + X-folding
- **Trans:** Transport chassis
- **B:** Belt
- **KC:** Tine-rotor conditioner
- **RC:** Roller-conditioner with rubber profile units
- **InLine:** Spur gear drive with inner skid
- **ISL:** Spur gear drive without inner skid

driveGUARD®
TurboLift
Tine-rotor conditioner
850 U/min ECO MODE EcoMode
ComfortChange
SafetySwing/ EasySwing
Roller conditioner

Illustrations show some of the special equipment. The right to technical revision is reserved.Some machines available in selected countries only. The images provided do not necessarily correspond to the most recent version of standard equipment.

Technical data

REAR-MOUNTED MOWERS

RAMOS	8612 TL	8612 TL-KC	8612 TL-RC	9614 TL	991 TL-KC	9314 TL-KCB	313 Trans-KC	313 Trans-RC
Dimensions and weight								
Approx. working width in m	8,30/8,60	8,30/8,60	8,30/8,60	9,30/9,60	9.30	9.30	3.00	3.00
Approx. transport width in m	2,99	2,99	2,99	2,99	2.78	2.78	3.00	3.00
Approx. swath width in m	2x 1,80	2x 1,20 - 2,00	2x 1,20 - 2,00	2x 2,30	2x1.85–3.25	2x1.80–3.00	0.90–2.25	1.55–1.90
Approx. transport height in m	3,99	3,99	3,99	3,99	3.90	3.90	–	–
Approx. transport length in m	–	–	–	–	–	–	7.00	7.00
Approx. weight in kg	1610	2250	2310	1850	2830	3450	1945	1962
Power demand								
Approx. power demand in kW/hp	81/110	110/150	103/140	96/130	155/200	168/228	66/90	66/90
Attachment								
Three-point	CAT II	CAT II	CAT II	CAT II	CAT II + III	CAT II + III	–	–
Two-point lower links	–	–	–	–	–	–	CAT II	CAT II
Mower unit								
Mower discs	2x6	2x6	2x6	2x6	2x7	2x7	6	6
Blades per disc	2	2	2	2	2	2	2	2
Quick blade change system/ComfortChange	■	■	■	■	■	■	□	□
Conditioner	KC	KC	RC	KC	KC	KC	KC	RC
Transverse conveyor belt	-	-	-	-	–	■	–	–
Hydraulic lateral movement	–	–	–	–	–	■	–	–
driveGUARD®	–	–	–	–	■	■	■	■
Hydraulics and PTO shaft								
Required hydraulic connections	2x EW, 1x DW[2]	2x EW, 1x DW[2]	2x EW, 1x DW[2]	2x EW, 1x DW[2]	2x SA, 1x DA[2]	1x load sensing	1x SA, 1x DA	1x SA, 1x DA
PTO rpm	1.000	1.000	1.000	1.000	1000	1000	540/1000	540/1000
Lighting and tyres								
Electric lighting	■	■	■	■	■	■	■	■
Warning signs	■	■	■	■	■	■	■	■
Transport wheel	–	–	–	–	–	–	10.0/75-15.3	10.0/75-15.3
Drive								
Spur gear drive	■	■	■	■	–	–	–	–
Compact angular gear	–	–	–	–	■	■	■	■

■ *Series* □ *Equipment variant* **–** *not available*
** mechanical as standard, hydraulic optional*

[1] *only required for optional hydraulic lateral movement*
[2] *for the "Electro-hydraulic controller" option, the number of control units is reduced to 1x load-sensing connection*

MACHINE DESIGNATIONS AND ABBREVIATIONS:

- **FK:** Front-mounted compact headstock
- **FP:** Front-mounted oscillating headstock
- **FP-K:** Front-mounted oscillating linkage, short
- **FQ** Front-mounted 3D headstock with trailing linkage
- **TL:** TurboLift system
- **TLX:** TurboLift system + X-folding
- **Trans:** Transport chassis
- **B:** Belt
- **KC:** Tine-rotor conditioner
- **RC:** Roller-conditioner with rubber profile units
- **InLine:** Spur gear drive with inner skid
- **ISL:** Spur gear drive without inner skid

driveGUARD®
TurboLift
Tine-rotor conditioner
EcoMode
ComfortChange
SafetySwing/ EasySwing
Roller conditioner

Illustrations show some of the special equipment. The right to technical revision is reserved.Some machines available in selected countries only. The images provided do not necessarily correspond to the most recent version of standard equipment.

AGCO International GmbH
Victor von Bruns - Strasse 17
CH-8212 Neuhausen am Rheinfall

Your FELLA quality partner

2022/2023 | photo credits: tm studios; fotolia.de