

2014

FENDT

Fendt 900 Vario

927 • 930 • 933 • 936 • 939



The new Fendt 900 Vario

Can do more. Does it better.

The Fendt 900 Vario has been the leader on the tractor market for large-scale farms and contracting businesses since 1995. With a maximum output of 390 hp, the new 900 Vario can now do more and does it a lot easier, thanks to intelligent technology. Benefit from the leading high-horsepower tractor and invest in the new Fendt 900 Vario.

Fendt 927 Vario	270 hp	199 kW
Fendt 930 Vario	300 hp	221 kW
Fendt 933 Vario	330 hp	243 kW
Fendt 936 Vario	360 hp	265 kW
Fendt 939 Vario	390 hp	287 kW

Maximum power to ECE R24





The new Fendt 900 Vario

Show greatness. Have greatness.

Large-scale farms clearly choose Fendt. In Western Europe, almost every third tractor 200 hp and up is a Fendt Vario. No other manufacturer has such a strong position in this power segment. And that is no coincidence, because Fendt offers professional overall solutions for professional customers.

6
Exclusively Fendt.

Can do more.

Experience the bundled expertise in power transmission, electronics, efficiency and robustness in the new series. With new and unique technologies, the Fendt 900 Vario can do more and does it better.



➤ Fendt offers VarioGrip, the first factory-installed tyre pressure regulation system that is fully integrated in the vehicle design. This allows you to work with the correct tyre pressure during all operations.



➤ With the automatic SectionControl, you can work precisely and avoid wasting operating materials. The system is optimally integrated in the Variotronic operating interface.



➤ The 900 Vario is equipped with an ABS anti-lock braking system. It guarantees better steerability and control of the tractor, even when braking sharply. An important plus for safer driving.



Proven best performance

Tested efficiency.

Fendt stands for efficiency and low fuel consumption. The best proof is the practice-oriented DLG PowerMix test: with a fuel consumption of 240 g/kWh*, the 936 Vario from the predecessor series sets the benchmark with the lowest fuel consumption ever measured up until now. And that was the benchmark to improve on for the new series.

The 900 Vario is full of innovations, which have already received international awards:

- Silver for the integral tyre pressure regulation system, Agritechnica 2009
- Silver for the load relief front linkage control, Agritechnica 2011
- Best in Test Variotronic: "Fendt has succeeded in clearly arranging a large number of functions on the armrest. The monitor sets standards with its menu navigation.", topagrar tractor comparison "Operating Concepts" 01/2011, tested on an 828 Vario

* profi/DLG PowerMix (11/2011), plus AdBlue consumption amounting to 8.6 vol% of the diesel consumption

MORE from LESS

The best of the best Fendt machines are given the Fendt Efficient Technology label. They allow professional farmers to achieve MORE from LESS – more output using less resources such as fuel, inputs or time. The 900 Vario achieves this with equipment options such as the VarioGuide guidance system, SectionControl, the AgCommand telemetry system or the VarioDoc documentation system. The outstanding fuel economy of a Fendt goes without saying.

More information at:
www.fendt.com/efficient-technology



Does it better.

Does it more efficiently.

Fundamental innovations have found their way into the 800 Vario, ones that further improve the efficiency of the tractor series. The primary innovation is the combination of new engine technologies with the further optimised continuously variable Vario transmission – here the best of the best come together. Lively handling through more dynamics, higher torque and improved power availability. At the same time, intelligent solutions ensure low consumption of both fuel and AdBlue. The VarioGrip tyre pressure regulation system provides efficiency that is transferred directly to the ground.

With the right tyre pressure in the field, farmers can work up to 8% more area with the cultivator and also saves an additional 8% diesel. When driving on the road, the right tyre pressure not only ensures the required driving stability and lower tyre wear, but also saves up to 4% diesel.* With the help of the intelligent Variotronic solutions, you can further optimise the use of your Fendt Vario. This includes the new SectionControl, VarioGuide guidance system as the fully automatic maximum output control 2.0.

*Source: *South Westphalia University of Applied Sciences, Agriculture Soest (8.2014)



Higher efficiency and performance



- Top model 939 Vario with 390 hp
- 60 km/h for 16 % higher transport capacity
- Integral tyre pressure regulation system VarioGrip for up to 10 percent more pulling power
- Maximum output control 2.0 for perfect engine and transmission management
- Automatic section control
- AgCommand™ telemetry system for optimal planning of tractor operations



- Compliance with new Stage 4 / Tier 4 final emissions standard with high-level technical solutions for the lowest overall operating costs
- Coated Soot Filter (CSF) with integral diesel particulate filter management for passive regeneration saves fuel
- Optimised AdBlue consumption through exhaust gas recirculation AGReX and map-controlled injection
- Reduction of rated speed to 2,100 rpm
- Sequentially switched twin turbocharger and twin intercooler
- Lively handling
- Well-rounded torque curve, full torque is reached early
- Fuel savings through additional charge-air intercooler
- Hydraulic system with low energy concept

More comfort



- 3.5 m³ operator paradise with panorama view
- Perfect operating interface comprising the right-hand armrest, multi-function joystick and Varioterminal
- New terminal bracket with bigger angle of adjustment



- Varioterminal with new LCD surface and pleasant LED backlighting
- Controls for the VarioGuide automated steering, camera, VarioDoc documentation, AgCommand™ telemetry, VarioGrip etc. are optimally integrated in the Varioterminal



- VarioActive superimposed steering system for easy turns
- Driver seat with external compressed air supply
- Load relief control on the front linkage for uniform implement guidance

Does more.

Does it longer

The high-horsepower tractors deliver maximum performance. Fendt has trimmed the tractors for robustness, so they can stand up to higher loads. These measures include a high-performance engine and transmission oil cooling concept as well as stronger pistons made of steel, which are designed for high injection pressures. The continuously variable Vario transmission has also been designed for a long lifetime, for example, with a reinforced housing and a stronger four-wheel drive clutch.

Does it safely

Next to economy, comfort and safety also have a high priority. To take a leading position here, the 900 Vario has ground-breaking technical advantages. A front windscreen made of laminated safety glass, a 300° field of vision with a new windscreen wiper or the LED headlamps with headlamp levelling are only some examples of features that increase safety. ABS and the Fendt Stability Control (FSC) system ensure extremely stable handling in all situations.



More reliability



- Automatic radiator cleaning through reversible fan
- Optimised engine cooling concept
- Higher cooling capacity of the transmission oil cooler
- Use of three high-pressure injection pumps
- Steel pistons for longer lifetime
- Fuel prefilter for reliable cold-starts



- Reinforced inner housing of drive unit
- Vario transmission with four planetary gears on models over 330 hp
- Reinforced four-wheel drive clutch with 10 percent more transmitted torque from 330 hp upwards

More for the environment



- 95 percent reduction in NO_x with Stage 4 / Tier 4 Final emissions
- 80 percent reduction in NO_x from emissions standard Stage 4 / Tier 4 interim to Stage 4 / Tier 4 final
- 95 percent reduction in particulate matter with Stage 4 / Tier 4 Final emissions
- Reduction in CO₂ through lower fuel consumption
- Use of bio-hydraulic oil possible

More safety



- Greater driving stability thanks to FSC and ABS
- Intelligent deceleration through thrust detection
- Heated front windscreen with laminated safety glass
- Torsion-resistant bonded front windscreen



- 300° unobstructed view through larger wiper field
- LED headlamps with headlamp levelling
- LED work lights at front and rear for optimal illumination
- Illuminated entry steps and coming home light

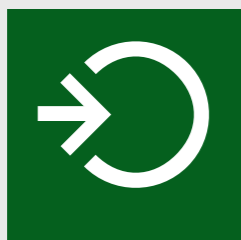
Fendt Spotlights. Notable. Better.

A holistic approach

A holistic approach, and therefore the perfect coordination of all the components in the tractor, is what makes the overall Fendt difference. A Fendt is notable, because it has been designed down to the very last detail by Fendt engineers, who also have an eye on the whole.


Notably Fendt. Simply better in detail.

This results in solutions that are not obvious at the first glance, but are decisive in operation, so that you can do more. Look for the Fendt Spotlights – the notable and better solutions – and discover what makes a Fendt a Fendt.




You will find the Fendt Spotlights, mentioned below as an example, in the following sections. Look for this symbol, because we will explain special Fendt solutions in greater detail here.


x5 cab

 The 900 Vario has been trimmed for an optimal overview. The bonnet has been kept as narrow as possible, so drivers have an excellent view to the wheel arches and front-mounted implements.


Engine and transmission

 When the temperatures outside are icy, the fuel pre-filter guides the pre-heated fuel directly back for injection and not to the tank, until the diesel has reached an adequate temperature. The injection process therefore always runs reliably.

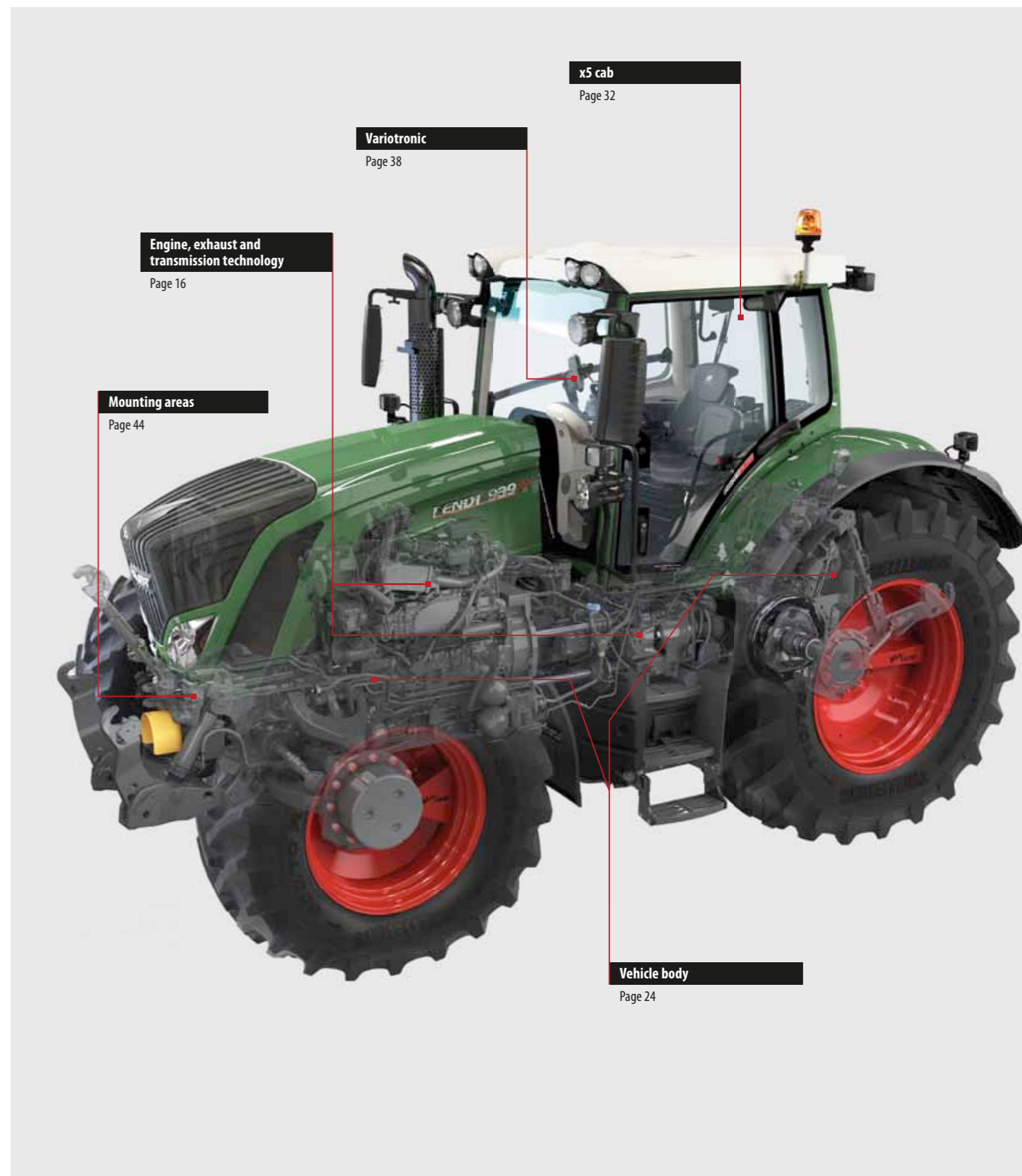
Vehicle body

 The entry steps on the 900 Vario have practical lights. They are positioned on the tank so that the steps are perfectly illuminated and drivers can climb in and out safely.

Mounting areas

 The Fendt Varios have external controls for the linkage, the rear PTO engagement and one hydraulic valve. The engine speed can be increased using TMS, for example, to reach the desired PTO speed. This saves unnecessary operating steps.

The assemblies on the Fendt 900 Vario.



Constantly achieve more.

The drive train in the Fendt 900 Vario unites the best of the best. And that is what makes it so valuable and so economical for you during each and every operating hour. To guarantee maximum fuel efficiency with the best reliability, Fendt has installed the best technical solutions for compliance with Stage 4 / Tier 4 final emissions down to the last detail. The result is perfectly coordinated engine, exhaust, and transmission technology, which delivers up to a maximum output of 390 hp, dynamically and highly efficiently.



The latest technology – the best solution.

More dynamics and speed stability

With up to 390 hp maximum output, the 900 Vario delivers massive power. The six-cylinder Deutz engine, featuring a common rail high-pressure injection system and a 7.8 litre cubic capacity, provides tremendous pulling power. A high injection pressure of 2,000 bar ensures fine atomisation and therefore the best combustion in the engine.

High level of constant power

Twin-charging with two turbochargers ensures pure dynamics with fuel-saving driving characteristics. The torque curve is well-rounded in the low speed range, so that more power is already available there.

The engine also has a large constant power range.

Can do more with charge-air intercooler

The air that has been pre-compressed in the low pressure turbocharger is cooled down by an additional charge-air intercooler, before it is further compressed in the high-pressure turbocharger.

Thus the engine can take in a larger air mass with the same volume, which also means more oxygen. This results in more efficient fuel combustion and improved performance.

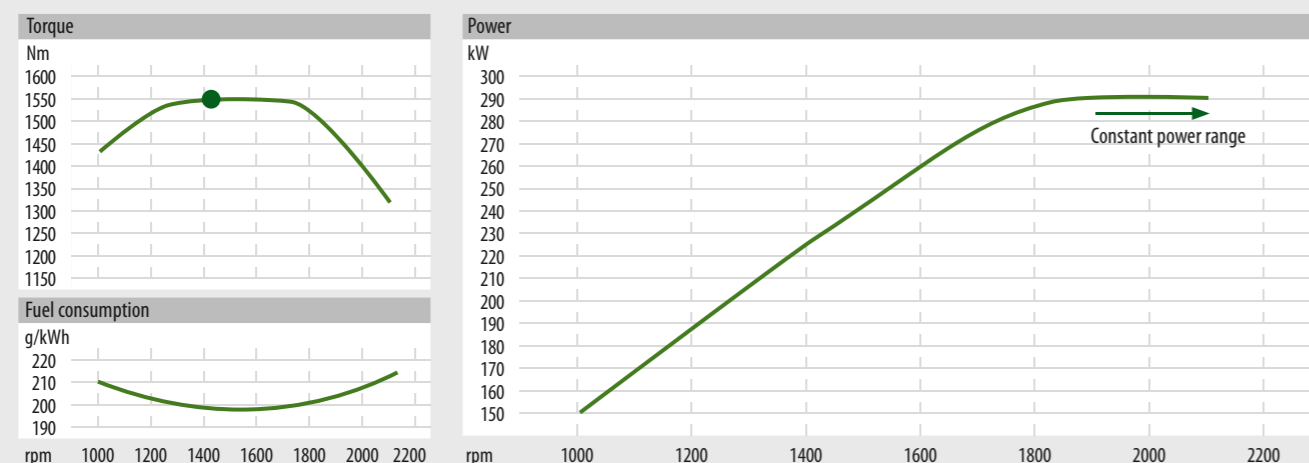
Fuel efficiency thanks to low rated speed

The engine performance allows the rated speed to be reduced to 2,100 rpm. This not only further improves fuel efficiency, but also provides for a pleasantly low noise level.

Automatically clean

The cooling system in the Fendt 900 Vario is optimally designed for higher performance and works highly efficiently, because only as many cleaning procedures are performed as are really necessary. The new reversible fan with Pulstronic system runs at a high speed of 3,000 rpm. It is coupled to the engine electronics and cleans the radiator fully automatically. A unique feature is that the fan blades are adjusted according to the cooling requirement. This guarantees that the cooling system is constantly running at high output and reduces maintenance effort.

Engine characteristics – Fendt 939 Vario



Through the well-rounded torque curve, more power is already available in the lower speed range. Furthermore, the constant power range provides a broader engine speed band over which the maximum power can be called up. In this range, the rated speed is equivalent to the maximum power.

Six-cylinder engine with twin-charging



The 900 Vario is equipped with a six-cylinder Deutz engine. The main factor behind the lively and economic engine behaviour is the twin-charging. The set-up consists of a first turbocharger, a charge-air intercooler, a second turbocharger and another intercooler. That ensures that the engine receives plenty of oxygen. And the more oxygen, the more efficient the combustion process.

Fuel pre-filter for a sure start



When the temperatures outside are icy, the fuel pre-filter guides the pre-heated fuel directly back for injection and not to the tank, until the diesel has reached an adequate temperature. The injection process therefore always runs reliably.

Steel pistons



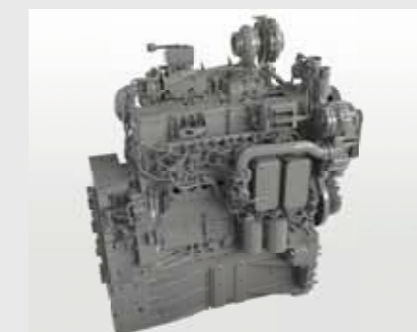
The cylinder pistons on the Fendt 900 Vario are made of steel. They are highly stable and have a long lifetime.

High-capacity reversible fan



The reversible fan on the 900 Vario cleans only as much as is required, and as little as possible. The fan can reverse the air stream automatically, so the cooler elements are effectively blown clean. What's special: Depending on the cooling requirements, the position of the fan blades is adjusted to increase the cooling efficiency. This has a positive effect on fuel efficiency.

Three high-pressure injection pumps



Fendt has increased the number of injection pumps from two to three so that 50 percent more power is available. The lower load on the individual pumps ensures a longer lifetime.

Leading-edge engine technology

- Six-cylinder Deutz engine with 7.8 l cubic capacity and common rail injection: 360 hp maximum output

- Large tank capacity for long work days:
Diesel: 600 litres
AdBlue: 36 litres

- Tank cap with lock

- Engine brake

- Automatic maximum output control 2.0

- New cylinder head increase durability

- Lockable bonnet

Environmentally friendly and intelligent.

Optimal solution for Stage 4 / Tier 4 Final

The intelligent solution for compliance with the new Stage 4 / Tier 4 Final emissions standard is decisive for the economy of the drive train. That is why Fendt has equipped the engine with an exhaust after-treatment that enables the lowest fuel and AdBlue consumption. Exhaust after-treatment is a combination of SCR technology, the passive diesel particulate filter and the AGReX exhaust gas recirculation.

AGReX external exhaust gas recirculation

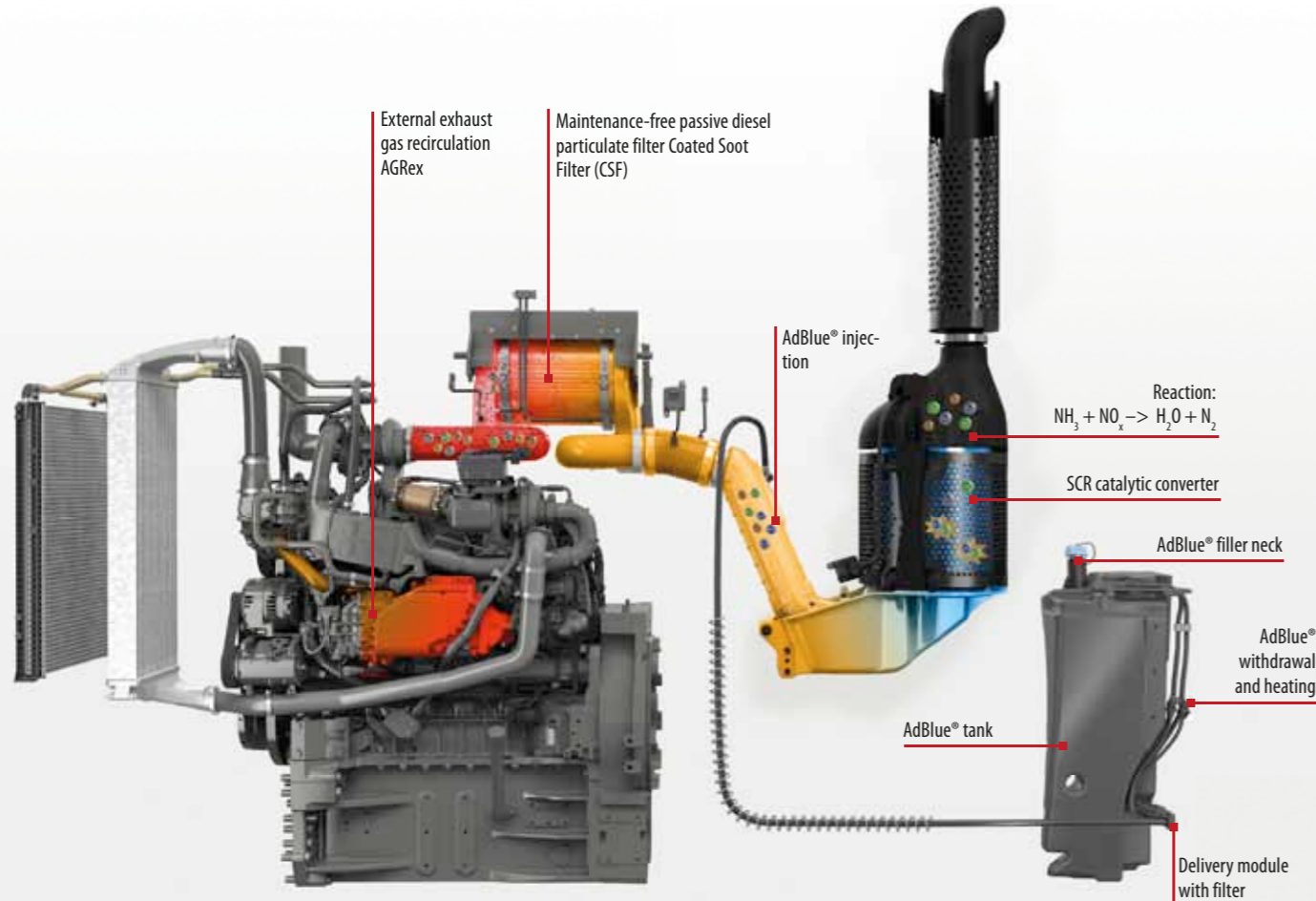
In the first step, exhaust gas recirculation reduces nitrogen oxides before they enter the exhaust line. Therefore only a small injection quantity of AdBlue is required to reduce nitrogen oxide emissions to 0.4 g/kWh. The lower AdBlue consumption has a positive effect on the profitability and efficiency of the tractor.

Passive diesel particulate filter with regeneration management

New in the 900 Vario is the passive diesel particulate filter, the coated soot filter (CSF), which has been designed for a long working life. Passive means that the filter is regenerated while driving and does not require additional, or active, injection of fuel into the exhaust line. Fendt chose this system to achieve maximum fuel efficiency. The integrated regeneration management guarantees intelligent control of the regeneration cycles.

Efficient SCR technology

The SCR technology is an extremely fuel-efficient solution and has proven itself on the market. Here AdBlue urea solution is injected into the exhaust line and nitrogen oxides are reduced to a minimum. To optimise the AdBlue consumption, it is injected through a 6-fold injector nozzle, which is map-controlled and achieves very fine atomisation. With this technology, operations with the Fendt Vario are highly efficient and environmentally friendly.



The high-grade solution for extremely low operating costs: the combination of external exhaust gas recirculation (AGReX), passive diesel particulate filter (CSF) and SCR technology.

AGReX external exhaust gas recirculation



The external exhaust gas recirculation ensures that the nitrogen oxides NOx are already reduced before they reach the exhaust line. That is more economical, because less AdBlue is required in the exhaust line to further reduce the nitrogen oxides.

Diesel particulate filter Coated Soot Filter (CSF)



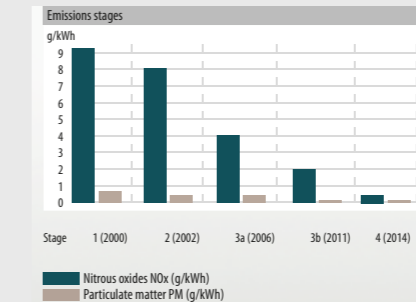
The passive coated soot filter is regenerated while driving and does not need to be actively started. No additional fuel is required for regeneration. The coated soot filters in Fendt tractors are designed for a long life, replacement is not necessary.

SCR engine technology



With SCR technology, exhaust is after-treated with AdBlue, a 32.5 percent solution of urea, which converts nitrous oxides NOx into non-toxic nitrogen and water.

Emissions stages in Europe and North America



The exhaust emissions for agricultural machinery have been reduced step by step in Europe and North America. The task for manufacturers is to reduce the emissions of particulate matter and nitrogen oxides by 95 percent within 14 years. In 2014, the final emissions stage, Tier 4 Final or EU Stage 4, will go into effect.

Most modern exhaust technology

- Compliance with Stage 4 / Tier 4 final emissions with the lowest possible consumption of fuel and AdBlue
- Passive diesel particulate filter (Coated Soot Filter) with regeneration management designed for a long working life
- AGReX for reducing nitrogen oxides before they reach the exhaust line
- SCR technology for compliance with Stage 4 / Tier 4 final emissions and low rated speed of 2,100 rpm for favourable fuel consumption

Steplessly efficient.

Continuously variable Vario transmission ML 260

For years now, continuously variable transmissions have proven their leading efficiency and performance and have become the first choice. Operators are always in the position to work at the optimal speed, which means there is a considerable savings potential. You save valuable working time in different operations through higher area coverage and also profit from low fuel consumption.

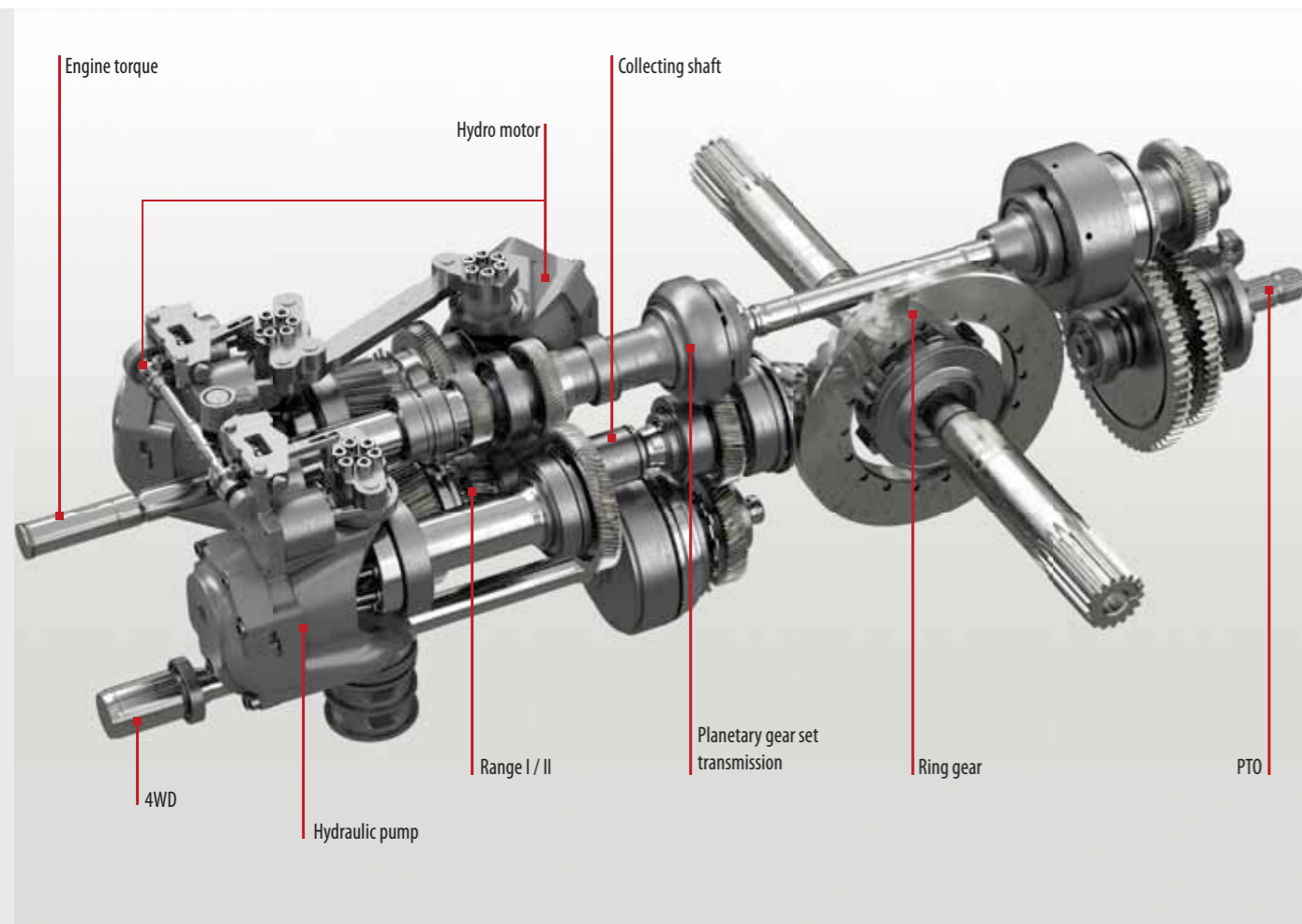
Automatically at the optimum

Important automated functions are included with the stepless drive, ones that further optimise the coordination of the engine and transmission and reduce the operator's workload. This most important function for this is the fully automatic maximum output control 2.0. It regulates the transmission ratio dependent on the preset speed and the power demand, so that the engine speed is lowered into the range of optimal fuel consumption.

Perfect settings and driving strategies

Thanks to intelligent pre-settings, it is easy to perform work. For example, engine speed and cruise control speeds can be pre-programmed in the Varioterminal and easily activated during operation using the multi-function joystick – especially practical for PTO work, for example. The different driving strategies are also adapted to operations and individual preferences. Drivers can control the speed using either the joystick with four acceleration rates or the foot pedal.

There are different optimum values that can be set as the load limit for different operations, for example transport, heavy-duty draft work or for work with PTO-driven implements. The tractor sets the ideal load limit automatically. Operators therefore do not need to actively adjust the maximum output control to each operation. And the interplay between the engine and transmission is just right for every operation. Alternately, operators can also set the maximum output control manually.



The ingenious Fendt Vario transmission

The Fendt Vario transmission is a hydrostatic-mechanical power split drive. With increasing speed, the share of the mechanical power transmitted through the planetary set increases. The hydrostats can be swung 45 degrees and have a high operating pressure of max. 550 bar – this ensures exceptional efficiency.

Vario transmission with 4 planetary gears



The transmission on the top models over 330 hp have been designed for the highest loads. It has a set of four planetary gears, which optimises power transfer and results in high robustness.

Interior housing strengthened



The inner housing of the transmission unit has been strengthened. It stands up to higher pressure and is designed for increasing demands.

Automatic maximum output control



The tractor regulates the load limit fully automatically and adjusts the engine speed and transmission ratio, thus controlling the reduction in engine load. In this way, the engine and transmission are perfectly coordinated, which means extremely low fuel consumption.

The most modern transmission technology

- Stepless Vario transmission ML 260 for efficient work at the optimum speed
- Flexible driving strategies for every operation
- Convenient and economical automated functions such as the automatic maximum output control 2.0 and TMS
- High stability through reinforced transmission housing, new cylinder roller bearing and a stronger 4WD clutch
- Long lifetime thanks to higher cooling capacity of transmission oil cooler



Can do it faster. Does more.

Speed is a must for transport work – exactly the right thing for the new Fendt 900 Vario with a top speed of 60 km/h.

With the 900 Vario, you will reach your destination safely: equipped with the latest safety systems for tractors, such as ABS or the tyre pressure regulation system VarioGrip, driving the 900 Vario is now even safer. You reach your destination faster and can simply move more.

Makes it safe.

Haul 37 tonnes more a day

The 900 Vario has a top speed of 60 km/h at an engine speed of only 1750 rpm, which gives it an up to 16 percent higher transport capacity* and lower fuel consumption. Those are advantages that make the difference at the end of the day: For example, the 900 Vario with a transport capacity of a total of 230 tonnes moves 37 tonnes more in ten hours thanks to the higher speed. And when the 900 Vario is driven at 50 km/h and an engine speed of 1,450 rpm, it enables even greater fuel efficiency.

*in-house measurement

ABS – for the highest level of braking safety

Operator safety has the highest priority at Fendt. That is why the 900 Vario now has the anti-lock braking system ABS. It guarantees better steerability and control of the tractor on wet and dry roads, even when braking sharply. The 900 Vario with ABS brakes reliably on unpaved roads – for example, gravel or snow.

Maximum on-road and in-field driving safety

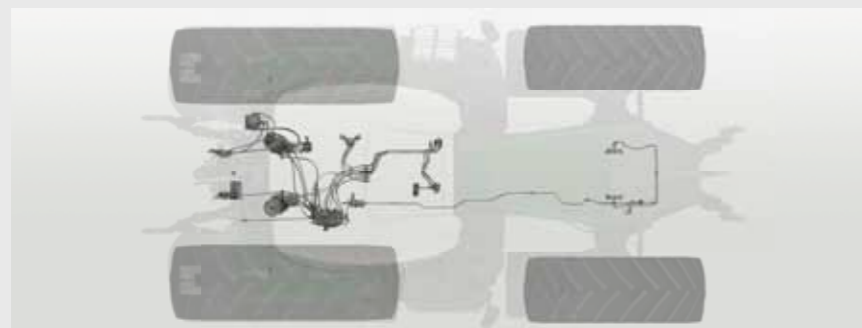
The chassis guarantees optimum operability on the road and in the field. With the unique Fendt Stability Control FSC you always have a safe feeling when driving, even when negotiating curves. At the same time, the practically maintenance-free braking system, comprising wet multi-disc brakes for the front and rear wheels, offers high driving safety and excellent deceleration.

Seven features for your comfort

The chassis design provides the best ride comfort as well as optimum ergonomics. Seven features ensure an exceptional driving sensation:

- the self-levelling front axle suspension
- the Fendt Stability Control (FSC)
- the Fendt Reaction steering system
- the shock load stabilising
- the cab suspension
- the seat suspension
- the automatic steering axle lock.

ABS



The ABS module measures the speed on each individual wheel using four speed sensors. If the speed on one wheel is too slow, the ABS automatically opens the corresponding brake to prevent the wheel from locking. Since the wheels on tractors have a high inertia, due to their size and weight, the ABS module also communicates with the tractor control unit. The control unit can then drive the affected wheel via the Vario transmission, if opening the brake is not enough to maintain the required speed. Both front wheels are controlled together to maintain the stability of the 900 Vario, even if there are different surfaces under each wheel. The rear wheels are controlled individually by the ABS module.



In off-road mode, a special braking concept is enabled for driving on loose surfaces. Here the ABS system allows the wheels to block where needed, for example, to guarantee safe braking when driving downhill on gravel.

Without Fendt Stability Control (FSC)

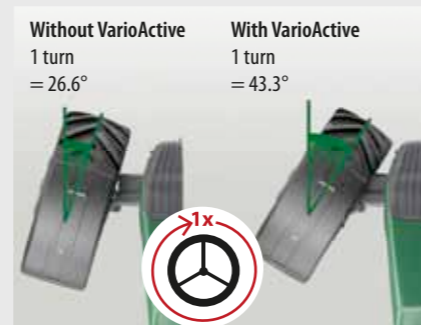


At speeds above 20 km/h, Fendt Stability Control (FSC) locks the compensation between the right and left sides and takes steering precision, driving stability and braking safety to a completely new level. When the driving speed drops below 15 km/h, compensation between the left and right side is possible again, which guarantees the best ground contact.

With Fendt Stability Control (FSC)



VarioActive superimposed steering system



The VarioActive superimposed steering system allows a stronger steering ratio to be activated. It adapts itself to the steering movement and ground speed. This is especially convenient at the headlands.

Self-levelling front axle suspension



The hydropneumatic individual wheel suspension is fitted with a double wishbone axle, which optimises the steering angle. The fully automatic levelling control ensures that both sides have the same suspension travel (up to eight tonnes front axle load). Moreover, the entire suspension range can be run through manually. The joints and bearings do not have any lubrication points and are therefore maintenance-free.

Driving dynamics with safety and comfort

- 60 km/h transport speed at reduced engine speed (1,750 rpm)
- ABS and Fendt Stability Control FSC for optimal driving safety
- Self-levelling front axle suspension with locking function
- High performance dual-circuit braking system
- VarioActive superimposed steering system for fast and easy turns
- Permissible overall weight of up to 18 tons (depends on country)

Pulls more.

Fully integrated – that is VarioGrip

Fendt offers VarioGrip, the first factory-installed tyre pressure regulation system that is fully integrated in the vehicle concept. The system, which was developed in-house at Fendt, allows air pressure to be controlled while driving. Until now, the air pressure was always a compromise between what was required for the field and road, those times are gone forever. The air pressure can be regulated quickly and easily with a push of a button on the Varioterminal.

Optimum tyre pressure

The benefits of optimum tyre pressure are clear: Lowering tyre pressure in the field increases the contact area between the tyre and ground, which improves traction and reduces wheel slip. According to neutral tests, that saves ten percent fuel.* Furthermore, it reduces soil compaction and therefore keeps yield losses at a minimum. When driving on the road, a higher air pressure ensures more stable handling and also lowers roll resistance, which reduces fuel consumption and tyre wear.

*South Westphalia University of Applied Sciences, Agriculture Soest

VarioGrip



The tyre pressure regulation system allows pressure to be controlled while driving. This is accomplished via the integral rotary union, which is designed to last the lifetime of the tractor. Air is supplied via a water-cooled double-compressor as well as the vehicle's own valve equipment. The tyre pressure can be increased by one bar in less than nine minutes. Reducing pressure by one bar takes only four minutes.

VarioGrip operation



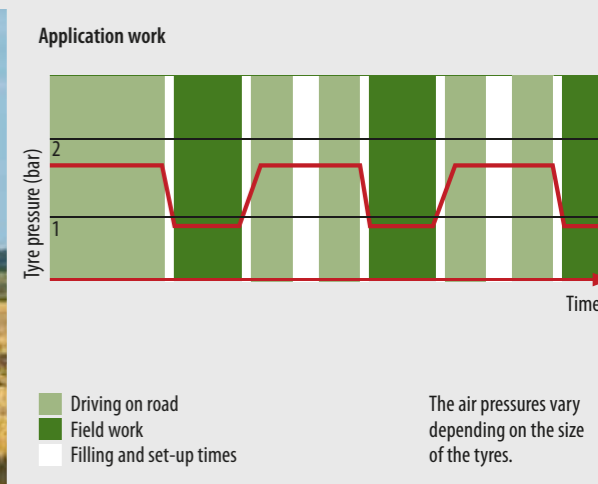
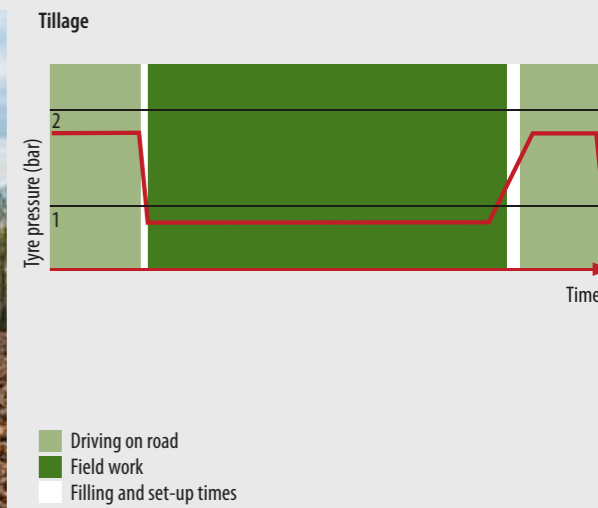
Operation of the tyre pressure regulation system is integrated in the overall vehicle concept. Using the Varioterminal, the tyre pressure of the tractor can be controlled with just a push of a button. The assistance system informs drivers about too low or too high tyre pressure.

VarioGrip function



The lines for the VarioGrip tyre pressure regulation system run through a radial rotary union. The air in the tyres is pumped in and out quickly through a control (green) and air line (blue).

VarioGrip for tillage and application work



The air pressures vary depending on the size of the tyres.

With VarioGrip, you can optimally regulate the tyre pressure for operations in the field and on the road. The pressure increase for driving on the road can be initiated shortly before completing work in the field, for example, when putting the implement into transport position. Then the tractor has the higher tyre pressure when starting to drive on the road. While driving, VarioGrip increases the tyre pressure to the optimum level for the road, which minimises tyre wear and guarantees the best driving stability. Before beginning work in the field, the tyre pressure is lowered again within just **four minutes**. The great advantage of VarioGrip is that air pressure can be built up and released while driving.



Coming home light and entry step lights



Get back home safely: The integrated coming home light permits operators to climb down from the tractor safely, even in the dark. The headlights continue to shine a while longer after the tractor is switched off.

The entry steps on the 900 Vario have practical lights. They are positioned on the tank so that the steps are perfectly illuminated and drivers can climb in and out safely.

Easy and clear operation



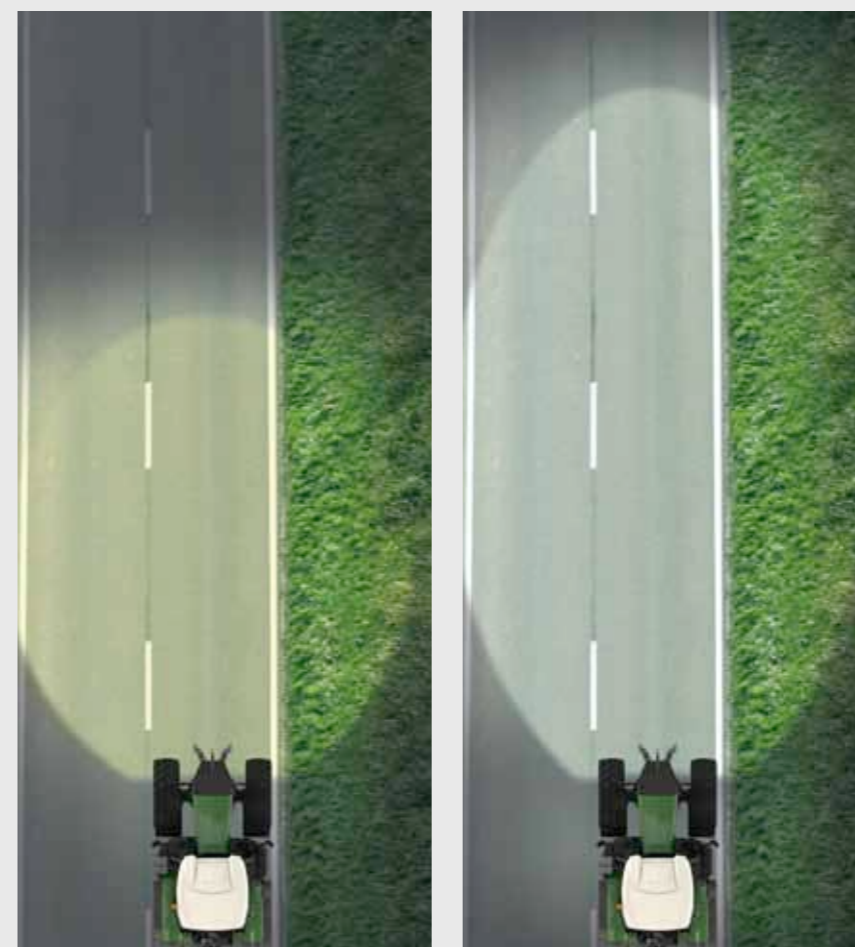
The lighting is easily set and adjusted thanks to its straightforward layout. With the smart one-button system, all previously set work lights can be switched on easily and quickly with just one touch of a button in the membrane keypad.

See more.

Most modern lighting

The lighting design concept on the Fendt 900 Vario has been perfected and is state-of-the-art. The dipped and main beams have the latest Bi-LED lamps with headlamp levelling. The work lights and corner lights are also fitted with LED lamps. This permits precise control of the illumination and provides exceptional visibility to the implements and the wheel arches, even in the dark. The LED lamps consume very little electricity and have a very long lifetime.

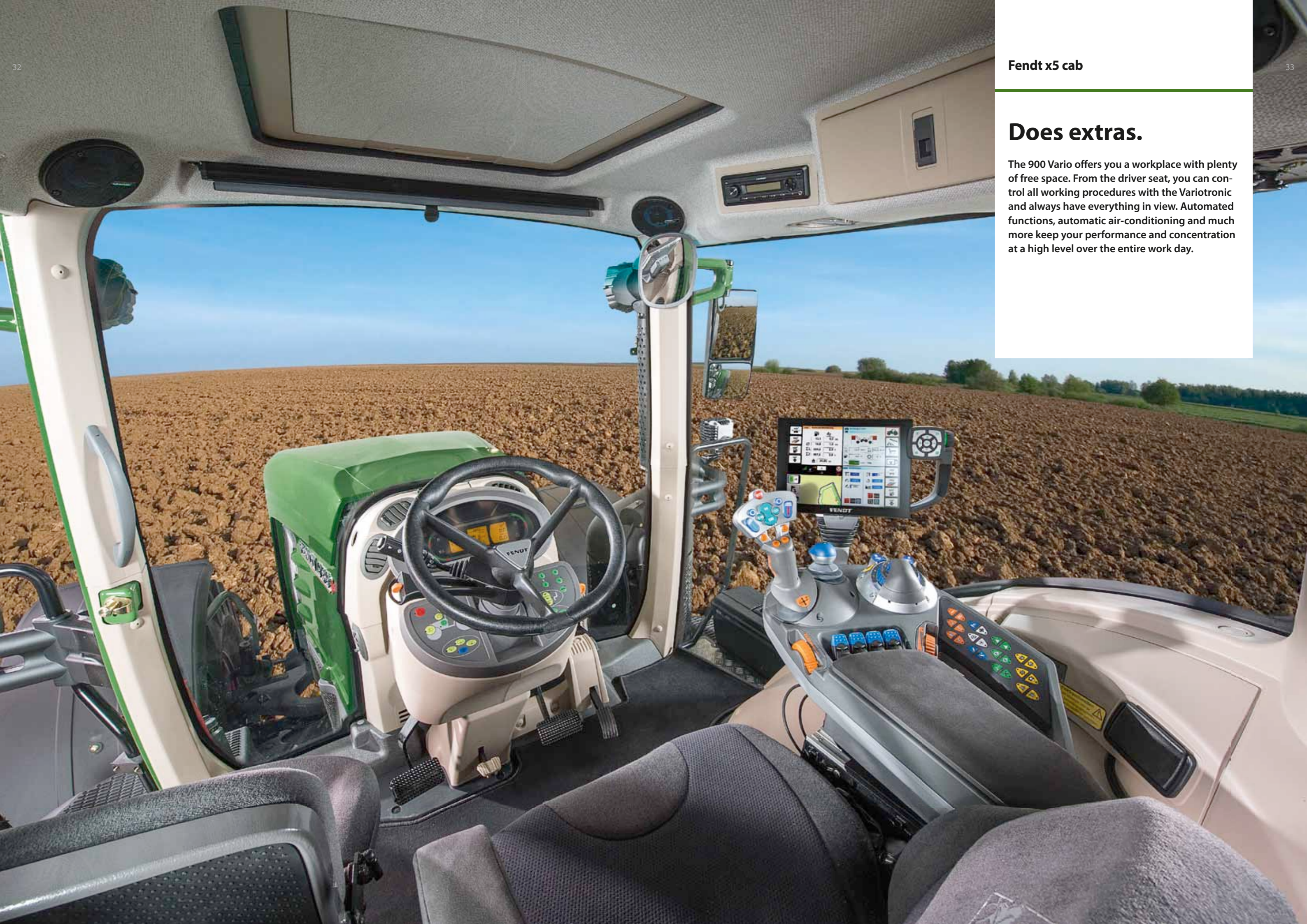
LED headlamps with headlamp levelling



The light range of the LED headlights can be adapted to the situation at hand, for example for driving on the road.

Most modern lighting

- Dipped and main beam with Bi-LED lamps and headlamp levelling
- Two front LED work lights and two rear work lights
- LED corner lights for excellent illumination of the wheel arches
- Entry step lights for safe climbing up and down from the cab
- Coming home light continues to shine after the tractor has been switched off



Does extras.

The 900 Vario offers you a workplace with plenty of free space. From the driver seat, you can control all working procedures with the Variotronic and always have everything in view. Automated functions, automatic air-conditioning and much more keep your performance and concentration at a high level over the entire work day.

More space. More visibility. More ergonomics.

3.5 m³ driver paradise with panoramic view

Take your place in the big x5 cab, which offers a generous amount of space and provides exceptional visibility through the large glass areas – a true panoramic view. The automatic climate control system guarantees a pleasant temperature in the workplace at all times, beverages from the air-conditioned cool box provide refreshment. On cold days, the seat heater is a plus in comfort that you would not want to miss. And when you're not working alone, a comfort seat is available for your passenger.

Unique safety with laminated safety glass

The front windscreen of the 900 Vario is made of laminated safety glass for the first time. Fendt has introduced this ground-breaking innovation in agricultural equipment to increase the safety of both drivers and passengers. The front windscreen cannot shatter, it is always held together by the lamination layer when damaged. Operators and passengers remain protected within the cab.

More visibility



The 900 Vario has been trimmed for an optimal overview. The bonnet has been kept as narrow as possible, so drivers have an excellent view to the wheel arches and front-mounted implements.



The new wiper offers a 300° field of vision. To keep the view to the wheel arches and the front-mounted implement free when it rains, the wiper field has been nearly doubled and reaches all the way down to the bonnet. The windscreen wiper can be adjusted ideally with the intermittent wipe function.

More safety



A special feature of a Fendt tractor is the bonded front windscreen. It is not visible from the outside, but none the less a benefit for you, because it increases the stability of the window and provides a reliable seal. For even greater comfort and safety, a heated front windscreen made of laminated safety glass is also available.

Optimised interior lighting



The interior lighting in the 900 Vario is perfectly designed for the important areas. Whether day or night, the most important operating elements are pleasantly lit. The intensity of the lighting is automatically controlled via a light sensor, dependent on the light conditions.

Better overview with wide-angle mirror



The optional wide-angle mirror expands the field of vision, which greatly enhances safety. You have a better overview of things that are happening on the sides of the tractor. The hazard zone, which is usually located in the blind spot, is easier to see into and unforeseen situations can be avoided.



The perfect workplace



Power lift operating module for rear lift with quick lift switch, depth control and PTO actuation (optional for front lift)

Pedal range

Membrane keypad for activating TMS, Variotronic[®], speed range selection, 4WD and differential lock engagement, front axle suspension, PTO speed selection and ABS Offroad Mode

Crossgate lever for the 1st and 2nd auxiliary hydraulic control units

Control elements for auxiliary hydraulic control units 5 - 8

Hand throttle

The operating elements on the right-hand armrest – comprising the Varioterminal, multi-function joystick, crossgate lever and membrane keypad – have a well-balanced overall design and form an ergonomic command centre where everything is under control.

The armrest is attached to the seat, which makes it very practical and comfortable for operators. The armrest moves together with the seat. Operators lean their arm on the armrest, where they can conveniently control operations.

Reversing driver station – fast and easy



To expand the operating spectrum even further, Fendt offers a factory-installed full-function reversing driver station. It only takes a few steps to turn the driver seat around, including the steering wheel, multi-function armrest and all the control elements, around 180 degrees. This lets you perform a wide range of tasks with the 900 Vario and fully utilise your Fendt tractor for greater profitability.

Powerful air-conditioning system



The air-conditioning in the x5 cab ensures pleasant temperatures inside the cab. It has now been optimised to be more powerful and more fuel efficient.

Sockets



Numerous sockets, for example, the five 12 Volt sockets, are available for external current consumers.

Fendt comfort seat



The comfort seat features air suspension and easy armrest adjustment.

Fendt super comfort seat Evolution dynamic



The air-suspended super comfort seat is equipped with heating, a rotary adapter, low frequency suspension, pneumatic lumbar support and easy armrest adjustment. Furthermore, it has climate control and dynamic damping. The compressed air compressor is located outside of the cab, where the noise cannot disturb the operator.

Fendt super comfort seat Evolution active



In addition to the features of the super comfort seat, the premium high-tech version of the seat also offers active suspension. This reduces operator fatigue during long periods of work. The seat is supplied by the tractor's compressed air system.

Ride comfort thanks to cab suspension



The cab suspension with air spring elements enables a fully vibration-minimised cab. The great difference in height and the long distance between the spring elements of the x5 cab also prevent bouncing and ensure maximum ride comfort.

Cooling compartment



There is space for a meal and a cool drink in the air-conditioned cooling compartment.

External cool box



Refreshments for a long work day find their place in the large external cool box. The cool box can also keep meals warm, if necessary.

Comfortable seats and many practical aids

The pneumatic cab suspension reduces vibrations to a minimum and provides high ride comfort. The absolute highlight in driving comfort is the combination of front axle and cab suspension plus a driver seat with active suspension – unique for standard tractors and only available from Fendt. A number of small details in the cab are simply a joy: a cooling compartment, various storage spaces and much more are your practical daily helpers.

Phone bracket



A bracket keeps mobile phones their own fixed spot. The bracket can be adjusted to accommodate various phone models.

Integral cable lead-through



Fendt offers a clever solution for cables that run from the rear of the tractor into the cab. Cables can be guided through the lead-through, no matter what kind of cross section they have. The rear window can be closed, so dust, dirt, water and noise stay outside.

Many storage options



In a Fendt cab you will find many different stowage spaces and compartments, so that everything has its place.



Important papers, such as the operating manual, can be stored securely and well protected in the document case.

Fendt x5 cab

- Spacious x5 cab
- Ergonomically designed control console on the right armrest
- Automatic air-conditioning is standard
- Pneumatic three-point cab suspension with integral level control
- Unique suspension design concept: cab suspension plus a driver seat with active suspension combined with front axle suspension
- Practical storage spaces

Varioterminal 10.4-B



The new Varioterminal 10.4-B convinces with its smartphone look and an optimised touch surface. It is standard in the ProfiPlus equipment level. It is also available in the Profi version upon request.

You can easily change menu settings in the Varioterminal by either touching the screen or pushing the navigation buttons. You can navigate through the menus using either the keys or the touchscreen.

The leading edge through integration.

Fendt Varioterminal

Fendt has been consistently following the ONE-terminal strategy. The result is the unique integration of functions in just one terminal. Six applications are found in the Varioterminal: Tractor controls, Variotronic implement control ISOBUS, camera function, guidance, documentation and help function. Up to four applications can be shown simultaneously on the Varioterminal 10.4-B screen. Your benefit is that the terminal can provide data from different applications for use in other functions. That is the lead in integration.

Flat menu hierarchy and everything in view

Thanks to the flat menu hierarchy and the clutter-free display, operators can learn to use the Varioterminal quickly and always have everything in view. The high-resolution scratch-proof screen – featuring a smartphone look in the new generation terminal – as well as all of the indicators adjust their brightness automatically. The anti-glare night mode makes night work no problem. Like the tractors, the components of the Varioterminal are designed with high-grade workmanship in mind, so that you can be sure you are getting high quality, reliable electronics with the best workmanship.

Varioterminal individually adjustable



The position and tilt of the Varioterminal can be adjusted as desired. A ball-head joint in the bracket permits the terminal to be pivoted in all directions. The operator always has an optimal view to the terminal.



Up to four applications can be displayed in the monitor of the Varioterminal. The screen assignment key allows operators to freely select the screen layout. The home key is practical. You can always call up the last state of the display with the touch of a button.

Varioterminal 7"



With a 7-inch (17.7 cm) screen diagonal, the Varioterminal 7" is a handy and functional companion for tractor operations and Variotronic implement control (ISOBUS).

functions

Varioterminal	7"	10.4-B
Tractor controls	●	●
25 implement memories	●	●
Variotronic implement control (ISOBUS)	●	●
SectionControl	-	□
Headland Management Variotronic TI	●	●
Variotronic ^{TI} automatic	-	□
VarioGuide automatic steering	-	□
VarioGuide light automatic steering system	□	-
Documentation VarioDoc	-	●
Documentation VarioDoc Pro	-	□
Night mode	●	●
2 camera ports	-	●

The Varioterminal 7" includes the applications for controlling the tractor and the Variotronic implement control ISOBUS. Integrated in the large Varioterminal 10.4-B are camera functions as well as VarioGuide and VarioDoc.

● = Standard | □ = Optional

Customised setting of terminal views



Full screen

In full screen mode, you have the best overview of your operations. The automated steering, Variotronic implement control ISOBUS and camera functions can be displayed in full screen.



Half screen

The half screen view is ideal if you would like to keep an eye on two applications at once, for example, the tractor and the ISOBUS implement.



Quarter screen

Up to four applications can be shown on the screen at the same time. It is easy to set a custom display layout. And in the night mode, everything is easy to read, even in the dark.

Fendt Variotronic

- Six applications are clearly integrated in just one terminal
 - Tractor controls
 - Variotronic implement control ISOBUS
 - Camera function
 - VarioGuide automated steering
 - VarioDoc documentation
 - Help function

- Headland management Variotronic^{TI} with optimum setting options

- Variotronic^{TI} automatic for automatic activation of the sequence at the headlands

- Four info+ masks for status of the linkage, hydraulic valves, fuel consumption and headland management

- Memory for 25 implements allows settings to be called up conveniently

- Operation of tyre pressure regulation system

- Fendt Varioterminal – controlled either with the touchscreen or keys

- Night mode for optimal adjustment of the lighting of the Varioterminal to the brightness

Variotronic^{TI} and Variotronic implement control ISOBUS

The last turning manoeuvre is as precise as the first

The 900 Vario is equipped with the Variotronic^{TI} headland management system as standard, which ensures that the last turning manoeuvre is as precise as the first. The Variotronic^{TI} is clearly displayed in the Varioterminal. That saves you time at the headlands and prevents possible operating errors on long work days.

Perfect for all operations

For the Fendt Variotronic, the ISOBUS interface is the decisive link to the implements. The settings for all implements that are compatible with ISO 11783 can be made using the Variotronic implement control ISOBUS in the Fendt Varioterminal. Furthermore, the Variotronic offers different possibilities to adapt the controls to the particular operation. For example, to control functions with the multi-function joystick or to call up pre-programmed settings.

Headland management



With Variotronic^{TI} headland management, operators can create operating sequences for turns, while driving or standing still, and save them. Settings for the engine and transmission control, the hydraulic valves and the front and rear linkage, the front and rear PTO as well as the automated steering system along with their individual functions are made via the headland management system and can be called up easily.

Edit offline



To optimise the progression of the steps, these can be created at a standstill, so there is no rush. If necessary, operators can adjust and optimise the operating sequence while working.

Customisable joystick buttons



It is practical that four sequences of the headland management can be activated with the joystick – two when driving into the track and two when driving out.

Front and rear linkage automatic mode



The simple, and very helpful, automated function for the front and rear linkage and the PTO automatic mode can be controlled with the "clover leaf" on the multi-function joystick. These can be activated with the Go and End keys without having to program the headland management beforehand.

Variotronic implement control ISOBUS



The Variotronic implement control ISOBUS is perfectly integrated in the Varioterminal 7" and Varioterminal 10.4-B (not on Power version). The implement is controlled with the terminal and joystick, an additional terminal is not required. In full screen view, the Varioterminal becomes a fully fledged ISOBUS terminal.

Joystick button assignment



The functions for the implement control and headland management can be assigned to the multi-function lever as needed. Operators can find the perfect operating ergonomics for the operation at hand. In combination with the VarioGuide automated steering system, Variotronic^{TI} automatic enables automatic activation of sequences at the headland.

Variotronic implement control ISOBUS

UT	UT = Universal Terminal. The Variotronic implement control ISOBUS is integrated in the terminal.
AUX-N	AUX-N = Auxiliary Control enables implement control via the joystick
TC-BAS	TC-BAS = Task Controller Basis corresponds to the Fendt VarioDoc documentation system
TC-GEO	TC-GEO = Task Controller Geo corresponds to Fendt VarioDoc Pro
TC-SC	TC-SC = Task Controller SectionControl

The entire agricultural equipment industry is involved in the implementation of the uniform standard ISOBUS. Fendt is a founding member of the AEF (Agricultural Industry Electronics Foundation). The initiative is an independent international industry organisation. As a user platform, it provides resources and experience for the expanded use of electronics in farming. The focus is currently on important topics concerning the ISOBUS. Standardised symbols show you which ISOBUS functions are available in a terminal.

SectionControl operation



The controls for SectionControl integrated in the Varioterminal are simple and easy to understand. They are straightforward and clear.

SectionControl



The new SectionControl function enables fully automatic section control via GPS signal, dependent on the desired degree of overlapping. Up to 24 sections can be set when using ISOBUS-capable sprayers, fertiliser spreaders and seed drills. This results in precise work results and saves seeds, fertiliser or pesticides by preventing double applications or treatments of areas outside of the field. And it makes work easier for operators, day and night.



Automated steering, documentation and telemetry.

Get more done with VarioGuide

With VarioGuide guidance, you can reduce overlapping, which saves you time and money. Automated steering enables savings of around six percent in fuel and inputs, such as seeds and fertiliser. Operators can easily monitor their rig in the map view on the Varioterminal. Operators can achieve optimal results and maximise the utilisation of their tractors, even at night or in poor visibility conditions.

VarioGuide light – the simple guidance system

VarioGuide light is the economical solution for agricultural businesses, such as dairy farms, mixed farms or market fruit farms, which are looking for a cost-effective guidance system primarily for tillage. Integrated in the Varioterminal 7", it offers an accuracy of +/- 20 cm. Please note that VarioGuide light cannot be upgraded to higher accuracies.

Modern job management with VarioDoc

Documentation is the most important basis for farm management for agricultural businesses. With VarioDoc, relevant data can be recorded with a minimum of effort, documented in the field record and analysed in the shortest amount of time. Using the Varioterminal, all important information can already be entered in the field so that follow-up work in the office is reduced to a minimum. And it works the other way around, too – jobs can be created using the PC and transferred to the terminal.

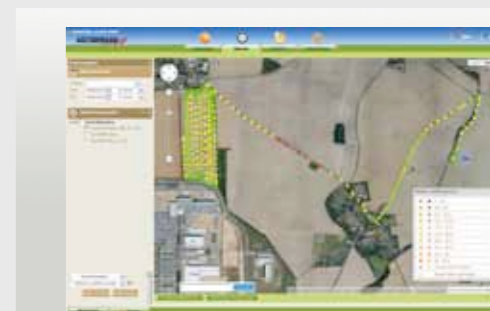
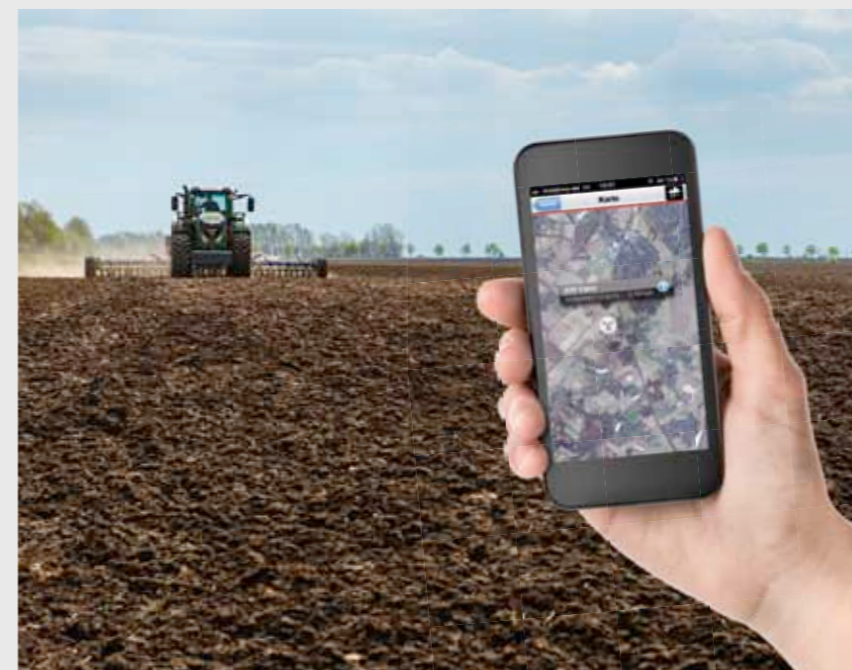
VarioGuide automatic steering



With VarioGuide, operators can concentrate fully on the implement. That increases performance and has a positive impact on the overall quality of work, even in poor visibility conditions. In addition to the US GPS satellites, VarioGuide, which is operated with the Varioterminal, is capable of using the Russian GLONASS satellite system and is also ready for use with the planned European Galileo system. The parallel use of several systems guarantees that the automatic steering system is highly reliable.

You can choose from many service providers for the correction signals. VarioGuide works via base station or mobile network using satellite-based signals, such as EGNOS or OmniSTAR, as well as ground-based RTK signals. VarioGuide supports open formats such as RTCM 3.1. You therefore have the choice of three accuracy classes from +/- 20 cm to +/- 2 cm. The RTK base station offers the highest accuracy.

AgCommand telemetry



AgCommand is the across-brand telemetry solution in the AGCO Corporation. When a Fendt tractor is connected with AgCommand, the following data is automatically logged:

- Fuel consumption l/ha
- Speed km/h
- Engine speed rpm
- Pulling power demand N
- Rear linkage position in %
- Front linkage position in %
- Rear PTO speed
- Status operating hour counter
- Outside temperature in °C

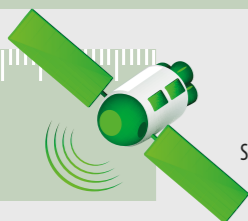
VarioGuide light – VarioGuide Standard +/- 20 cm accuracy class

Correction signals: EGNOS, WAAS, Autonomous Mode (free of charge), OmniSTAR VBS (requires license, only VarioGuide Standard)
It is ideal for work such as stubble management, spreading compost, mowing or applying slurry



VarioGuide Precision+ +/- 5 cm accuracy class

Correction signals: OmniSTAR HP (subscription required)
Suitable for almost all agricultural applications, such as cereal sowing, in areas with good signal quality



VarioGuide RTK +/- 2 cm accuracy class

Correction signals: Mobile RTK field station or Ntrip (RTK via mobile network)
Offers the highest accuracy – fast, safe and everywhere
for all agricultural work, especially strip till and controlled traffic farming (permanent tracks)



You will find further information in the Variotronic brochure.

Documentation VarioDoc



Modern job management for data logging for field databases.



The starter kit (not included in the scope of delivery of the tractor) provides data exchange between the tractor and the office PC via radio.

VarioDoc enables wireless data transfer from the Varioterminal to the field database. There is no need to read out data, such as field name and current crop, inputs used and quantity, operator, etc., onto a storage medium. VarioDoc Pro continually records position and machine data and data transfer is possible via mobile network.

Manufacturer	Compatible products
BASF	BASF field record
Helm	MultiPlant • MYFARM24.DE • MYFARM24.LOGISS
LAND-DATA EUROSOFT	AO Agrar-Office field database • AO Agrar-Office Lohnunternehmer • AO Agrar-Office AutoDok
AGROCOM	AGROCOM-NET • AGROCOM-LU
Farm Works	Farm Works Software

Has more interfaces.

The Fendt 900 Vario offers more connections than any other tractor in its power class: six electrohydraulic double-acting valves at the rear and two in the front, power beyond, ISOBUS connection and many more. Overall, the 900 Vario has 24 connections, which are practicably located both at the front and rear. That guarantees versatile operations and trouble-free connection of all implements – for effective teamwork between the tractor and implement.



Intelligent technology at the front and rear.

Powerful lift capacity

The electrohydraulic rear linkage, which has a maximum lift capacity of 11,800 daN, guarantees that even heavy rear-mounted implements for this power class can be lifted to the fullest height without trouble. A maximum lift capacity of up to 5,580 daN at the front permits the use of heavy front-mounted implements. The newly designed, cast front linkage is integrated in the structure of the tractor so that the coupling points are close to the vehicle. Moreover, the leakage oil container lies protected in the front and rear linkage.

Load relief control for the front linkage

The comfort front linkage has optional load relief control, which can be adjusted using the Varioterminal. It uses the double-acting front linkage valve to lower the implement and transfers the weight of the implement to the front axle. This is a particular advantage when operating a snow plough or a front mower in grassland operations, since implement guidance can be quickly adjusted to uneven surfaces. Relief springs for the mower are no longer required.

Powerful hydraulic system with low energy design

With its load-sensing technology, the 900 Vario is well-equipped for demanding operations. Depending on the area of application, you can equip the 900 Vario with a load-sensing pump with a delivery capacity of 110, 152 or 205 litres per minute. The pilot pressure is also generated by this axial piston pump.

PTOs with economy function

The PTOs can be easily controlled via the multi-function armrest. External controls are also available at the rear. The PTO speeds (540E/1000 or 1000/1000E) at the rear enable work at a lower engine speed, which means lower fuel consumption. The front PTO (1000 rpm) permits operation with a broad range of implements at the front of the tractor.

A number of connections are available at the front and rear




Interfaces at the front

- Top link
- Two double-acting control valves
- Unpressurised front return flow
- 7-pin socket
- Front PTO
- Lower link hook end
- Holder for relief springs (not shown)




Interfaces at the rear

- Signal socket
- ISOBUS connection
- Hydraulic top link
- Duomatic clutch
- Six double-acting control valves
- Leakage oil line
- Unpressurised rear return flow
- Air brake
- Control line power beyond
- Pressure line power beyond
- Hydraulic trailer brake
- 7-pin trailer socket
- Lower link hook end
- Hitch
- Rear PTO
- Low hitch

 Practical: Cotter pins are secured to the lower link and cannot be lost.

External controls / PTO automatic



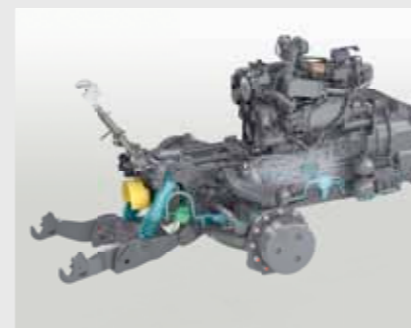
 The Fendt Varios have external controls for the linkage, rear PTO engagement and one valve. Rear implements are easy to mount. When engaging the PTO, the engine speed can be increased using the TMS settings, so the desired PTO speed can be reached. You save yourself unnecessary steps, for example, when starting the suction for the slurry tank.

High efficiency



The PTO has outstanding efficiency, since power to the PTO stub flows through a direct drive line from the Vario transmission. At the same time, the rated speeds are already attained at an engine speed below 2,000 rpm, which has a positive effect on lowering fuel consumption.


Load relief front linkage control



The comfort front linkage on the 900 Vario has optional load relief control. It allows the weight of the implement to be transferred to the tractor over a defined pressure. The pressure can be readjusted during operation. This is especially advantageous for winter operations or with a mulcher, because the weight is shifted to the front axle, which improves steering performance.

Double-sided connect-under-pressure couplings



 Through the DCUP couplings, the hydraulic valves can be coupled under pressure on both sides; mounting and removing implements is easy. The self-closing valve flaps offer secure protection against contamination through dirt or water.

Mounting areas at the front and rear

- Up to eight electrohydraulic double-acting valves
- Maximum lift capacities:
Front: 5,580 daN
Rear: 11,800 daN
- EPC rear and front linkage incl. shock load stabilising and da function
- PTO with comfort controls (540E/1000 or 1000/1000E)
- Load relief control for the comfort front linkage

Suitable for every application.

Optimal ballasting

Whether you use your 900 Vario primarily for field work, haulage or special operations – you will profit from its low unladen weight in any case. On the one hand, you have higher payload reserves and, on the other hand, you don't need to transport unnecessary weight. A tailor-made ballast concept is ideal for heavy draft work.

Full flexibility

Fendt offers various hitch systems, which means high flexibility to meet all demands. The right hitch system is available to match the requirements.

Weight when and where you need it



The 900 Vario, with its relatively low unladen weight of less than eleven tons and a clever ballast concept, allows you to adapt weight distribution to your requirements. In this way, for example for trailed implements, you can add weights at the front to attain a 60:40 weight distribution (front axle: rear axle). When the tractor is then used for draft work, and subject to the corresponding torque and forces, the values are shifted and you have "dynamic ballasting" of 40:60 (front axle: rear axle) which is the optimal range for draft work.

The 900 Vario can be ballasted with weight modularly, while maintaining full roadworthiness – without speed restrictions or requiring wide vehicle markers. Two wheel weights with 1,000 kg each can be added as ballast to the rear wheels with full on-road capability. Front weights with up to 2,500 kg are also available.

Ball coupling



In view of the rapidly increasing number of forced steered trailers, Fendt now offers factory-installed connection points for forced steering compliant with ISO/DIN 26402. These can be mounted on both sides and are fitted with standardised ball heads.



The ball-type coupling has been extended by 165 mm and offers a 3.3-tonne vertical hitch load, an improved angle of lock and therefore greater safety, especially in tight curves.

PitonFix



The Piton fix (heavy duty) is approved for a vertical hitch load of up to four tonnes in Germany (EU three tonnes).

Swinging drawbar



The pull-out position of the swinging drawbar can be varied according to need.

Ballasting and hitch systems

- Individual and flexible ballasting in front and on wheels
- Front weights up to 2,500 kg
- Wheel weights with 1,000 kg each are fully roadworthy
- Ball-type coupling in standard and long versions with and without forced steering
- Piton Fix for a vertical hitch load of up to four tonnes in Germany (EU: 3 tonnes)
- Swinging drawbar Cat. 3/4, pull-out



The sum of the technical solutions creates the technological lead

Cutting-edge technology united

In the Fendt 900 Vario, start-of-the-art technology is optimally merged in a single vehicle, which gives professional farmers and business owners the economic edge.

1. Stable block construction
2. Independent wheel front axle suspension (lockable and maintenance-free, 300 mm suspension travel) with Fendt Stability Control (FSC)
3. Suspension cylinder for front axle
4. Front linkage with external controls
5. Front PTO
6. 2 hydraulic connections at the front
7. Planetary final drives
8. 7.8 l Deutz engine with 4 valves per cylinder
9. AGRex external exhaust gas recirculation
10. Stepless Vario transmission
11. Turbocharger
12. Planetary axle
13. x5 cab with integral automatic climate control and 5.5 m² glazing
14. Multi-function armrest
15. Fendt Varioterminal
16. VarioGuide roof unit
17. Super Comfort Seat Fendt Evolution with climate control and active suspension
18. Comfort passenger seat with automatic seat belt
19. Ext. rearview mirror, electrically adjustable, heated
20. Front windscreen made of laminated safety glass, heated
21. LED headlamps with headlamp levelling
22. External rear controls for linkage, PTO and one hydraulic control unit

Fendt	927	930	933	936	939
Engine					
Rated power (kW/hp) (ECE R24)	199 / 270	221 / 300	243 / 330	265 / 360	287 / 390
Max. power (kW/hp) (ECE R24)	199 / 270	221 / 300	243 / 330	265 / 360	287 / 390
Rated power (kW/hp) (EC 97/68)	202 / 275	224 / 305	245 / 333	269 / 366	291 / 396
Max. power (kW/hp) (EC 97/68)	202 / 275	224 / 305	245 / 333	269 / 366	291 / 396
No. of cylinders / cooling			6 / water		
Cylinder bore / stroke (mm)	110 / 136	110 / 136	110 / 136	110 / 136	110 / 136
Cubic capacity (cm ³)	7750	7750	7750	7750	7750
Rated engine speed (rpm)	2100	2100	2100	2100	2100
Max. torque (1450 rpm)	1128	1248	1350	1488	1538
Torque rise (%)	26	25	24	24	19
Optim. fuel consumption (g/kWh)	192	192	192	192	192
Fuel tank (l)	600	600	600	600	600
AdBlue (l)	36	36	36	36	36
Oil change interval (op. hrs.)	500	500	500	500	500
Transmission/PTO					
Type	ML 260				
Speed range: Range I – field (forward / reverse)	0.02 - 35 km/h / 0.02 km/h - 25 km/h				
Speed range: Range II – road (forward / reverse)	0.02 - 60 km/h / 0.02 km/h - 33 km/h				
Maximum speed (km/h)	60	60	60	60	60
Rear PTO (rpm)	540E / 1000 or 1000 / 1000E				
Front PTO (rpm)	1000				
Hydraulics and linkage					
Displacement pump (200 + 10 bar) (l/min)	152 or 205	152 or 205	152 or 205	152 or 205	152 or 205
Rear linkage control	EPC	EPC	EPC	EPC	EPC
Max. auxiliary valves, (standard)	4 (3) electr. valves				
Power version:	8 (4) electr. valves / crossgate lever				
Profi / ProfiPlus version					
Max. lift capacity, rear linkage on the drawbar (daN)	11800	11800	11800	11800	11800
Max. lift capacity, front linkage (daN)	5580	5580	5580	5580	5580
Implement weight / front linkage up to (kg)	4216	4216	4216	4216	4216
Hydraulic oil tank (max. available oil volume) (l)	87	87	87	87	87
Weights and dimensions					
Unladen weight to DIN 70020 (kg)	10830	10830	10830	10900	10900
Perm. overall weight (kg)					
at 50 km/h (single-circuit brake)	15000	15000	15000	15000	15000
at 40 km/h, 50 km/h (dual-circuit brake)	18000	18000	18000	18000	18000
at 60 km/h (dual-circuit brake)	16000	16000	16000	16000	16000
Max. vertical hitch load with standard tyres and 60 km/h (kg)	2000	2000	2000	2000	2000
Overall length (mm)	5655	5655	5655	5655	5655
Overall width (mm)	2750	2750	2750	2750	2750
Overall height cab standard/with VarioGuide (mm)	3322 / 3353	3322 / 3353	3322 / 3353	3322 / 3353	3322 / 3353
Ground clearance with 710/75R42 (mm) depends on tyres	575	575	575	575	575
Wheelbase (mm)	3050	3050	3050	3050	3050
Track width front (mm) depends on tyres	2100	2100	2100	2100	2100
Track width rear (mm) depends on tyres	1970	1970	1970	1970	1970
Min. turning radius (m) depends on tyres	6.45	6.45	6.45	6.58	6.58
Electrical equipment					
Starter (kW)	4.0	4.0	4.0	4.0	4.0
Battery (V/Ah)	12 / 180	12 / 180	12 / 180	12 / 180	12 / 180
Alternator (V/A)	14 / 2x160	14 / 2x160	14 / 2x160	14 / 2x160	14 / 2x160
Tyres					
Standard front	600/65 R34	600/65 R34	600/65 R34	600/70 R34	600/70 R34
Standard rear	650/85 R38	650/85 R38	710/70 R42	710/75 R42	710/75 R42
Optional front	600/65 R34	600/65 R34	600/65 R34	600/65 R34	600/65 R34
Optional rear	710/70 R42	710/70 R42	800/70 R38	800/70 R38	800/70 R38
Optional front	600/70 R34	600/70 R34	600/70 R34	710/60 R34	710/60 R34
Optional rear	710/75 R42	710/75 R42	710/75 R42	900/60 R42	900/60 R42

Your Fendt dealer will be pleased to inform you about further tyre options.

Equipment levels	Power	Profi	ProfiPlus
Vario controls			
Joystick with cruise control and engine speed memory	●		
Multi-function joystick with cruise control, engine speed memory, automatic modes, controls for hydraulics		●	●
Varioterminal 7" with touchscreen and key control	●	●	
Varioterminal 10.4-B with touchscreen and key control		□	●
Variotronic implement control for ISOBUS	□ ¹⁾	●	●
SectionControl			□
Variotronic ¹⁾ - Headland Management System		●	●
Vario TMS - Tractor Management System	●	●	●
VarioDoc - documentation system		□	●
VarioDoc Pro - documentation system / AgCommand telemetry system		□	□
VarioGuide light automated steering system	□	□	
VarioGuide automated steering system			□
Electronic immobiliser	●	●	
VarioActive steering			●
Cab			
Pneumatic cab suspension, 3-point with integral self-levelling	●	●	●
Fendt Reaction steering system	●	●	●
Reversing driver station for 2-way operation	□	□	□
Height and tilt-adjustable steering column	●	●	●
Super comfort seat, air sprung, low frequency suspension	●	●	●
Super comfort seat Evolution dynamic with climate control	□	□	□
Super comfort Seat Evolution active with climate control and active suspension	□	□	□
Passenger seat with automatic seat belt	●	●	●
Comfort passenger seat	□	□	□
Radio mounting kit with two stereo speakers	●	●	●
Dual radio slot with four loudspeakers	□	□	□
Radio CD MP3 Blaupunkt with sound system	□	□	□
Tachograph	□	□	□
Integrated automatic climate control	●	●	●
Pollutant filter (aerosol)	□	□	□
Front windscreen laminated safety glass, heated	□	□	□
300° windscreen wiper front	●	●	●
Rear window wash/wipe	□	□	□
Ext. rearview mirror, electrically adjustable, heated	●	●	●
Ext. rearview mirror, mechanically adjustable	□		
Wide-angle mirror	□	□	□
Interior rearview mirror	□	●	●
Roof work lights, 2 at rear, 1 in front	●	●	●
Roof work lights, 2 at rear LED, 1 in front	□	□	□
Work lights Xenon, roof front	□	□	□
Work lights A-pillar, rear mudguard	□	□	□
Work light LED A-pillar, mudguard rear	□	□	□
LED headlamps with headlamp levelling	□	□	□
LED rear lights	□	□	□
Bracket for auxiliary devices	□	□	□
Air-conditioned cool box	□	□	□
Engine			
Automatic load limit control	●	●	●
Reversible fan	□	□	□
Fuel pre-filter	●	●	●
Heated fuel prefilter	□	□	□
Preheater package (engine, transmission, hydraulic oil)	□	□	□
Exhaust brake	□	□	□
Transmission			
Shuttle function, stop and go function	●	●	●
Acoustic signal when reversing	□	□	□

Equipment Variants	Power	Profi	ProfiPlus
Chassis			
Individual wheel suspension front axle, 300 mm suspension travel	●	●	●
Dual-circuit braking system with FSC Fendt Stability Control		□	□
Single-circuit braking system 1 pedal	●	●	●
Dual-circuit braking system, 1 pedal and steering clutch brake	□	□	□
ABS anti-lock braking system, pneumatic		□	□
Compressed air system	●	●	●
Automatic trailer steering axle lock	□	□	□
VarioGrip tyre pressure regulation system	□	□	□
4WD			
Comfort engagement controls for 4WD / differential locks	●	●	●
Rear / front differential with 100 % disc locking	●	●	●
Power shift PTOs			
Rear: flanged PTO 540E/1,000 rpm	●	●	●
Rear: flanged PTO 1,000/1,000E rpm	□	□	□
Front: 1,000 rpm	□	□	□
External controls for rear PTO	●	●	●
Hydraulics			
Load sensing system with axial piston pump (152 l/min)	●	●	●
Axial piston displacement pump 205 l/min delivery capacity	□	□	□
Electrohydraulic linkage DA (EHR), with external controls		●	●
Electrohydraulic linkage SA (EHR), with external controls	●		
Hydraulic lower link lateral stabiliser	□	□	□
Radar-activated wheel slip control	□	□	□
Upper link QC hydraulic	□	□	□
Lower link hooks Cat. 4	□	□	□
External hydraulic connection (load sensing)	□	□	□
Hydraulic valve actuation crossgate lever, multi-function joystick		●	●
External control for hydraulic control unit at rear	●	●	●
Double connect-under-pressure lever couplings rear	□	□	□
CUP coupling rear	●	●	●
Easy ballast mounting for front weights	● ²⁾	● ²⁾	● ²⁾
Front linkage sa with external controls	□	□	□
Comfort front linkage da, with position control, external controls		□	□
Load relief control for the comfort front linkage		□	□
Body			
Manual hitch	□	□	□
Auto. hitch with remote control, rear	●	●	●
Ball-type coupling, height adjustable	□	□	□
Ball coupling incl. frame	□	□	□
Forced steering (single or double-sided)	□	□	□
Pickup hitch	□	□	□
Swinging drawbar	□	□	□
Piton fix	□	□	□
Compressed air Duomatic coupling	□	□	□
Rotating beacon	□	□	□
Wide vehicle marker	□	□	□
Pivoting front wheel mudguard	●	●	●
Twin tyres rear	□	□	□
Twin tyres front	□	□	□
Front weights, various sizes	□	□	□
Wheel weights, rear wheels	□	□	□
Design Line	□	□	□
Removable toolbox	□	□	□

¹⁾ = Operation with Varioterminal ²⁾ = not possible with front lift

The Fendt on-line configurator: Here you can put together your own custom Fendt according to your wishes. Visit www.fendt.com.

Leaders drive Fendt.

You must experience for yourself the ingenuity of the Fendt Vario down to the very last detail. Test a Fendt, convince yourself and make the right investment.



Invest in profitability

Overall profitability distinguishes the entire product line of the premium brand Fendt. The efficiency of the products guarantees the best cost-effectiveness per hectare. In combination with the extremely high retention of value of a Fendt, you also get an unbeatable resale value at the end of your tractor's service life. As a trendsetter, Fendt continually sets important new standards and installs technology that continues to be in demand in the future. Add to that the high quality, which stands for operational reliability and a long life. The total is a retention of value that only Fendt can offer you.



Certified quality

We achieve a constant, excellent premium quality through first-class workmanship and use high-grade materials for all components. In the development phase, the tractors undergo comprehensive testing, with up to 10,000 engine hours under the toughest conditions, to thoroughly test the durability of components. In series production, Fendt relies on comprehensive testing processes to ensure that each individual tractor leaves the factory with the highest quality.



More freedom for investments

Tailor-made financing from AGCO FINANCE and the customised service package: A custom financing package with attractive conditions and flexible terms offers you an ideal opportunity to match your investment to the needs of your farm or business. With a Fendt Service Package, you also have servicing and repair costs under control.

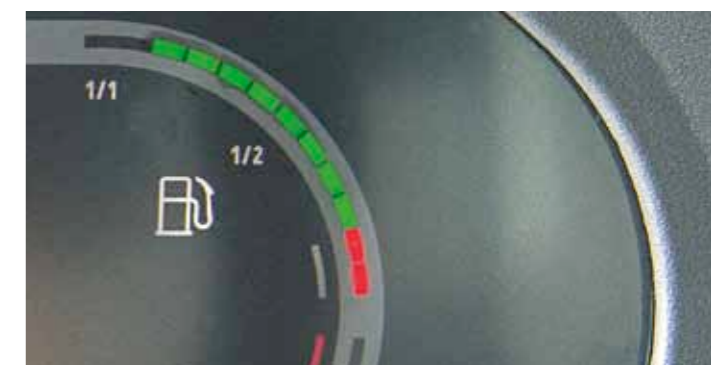
For example, a comprehensive warranty extension with attractive conditions is available for your new Fendt 900 Vario, with coverage up to 5 years or 6,000 operating hours. The services are based on legal warranty regulations so they remain the same over the entire runtime of the contract.*

*not available in all countries



We offer more – join us!

Fendt not only offers high-quality products with cutting-edge technology, but also assists you in getting the most out of your Vario. With the help of our Fendt driver training Fendt Expert, you can further optimise profitability and learn to make all the settings and adjustments so that you can drive at an absolute optimum in different operations.



Efficiency – for our customers' success

Efficiency is the recipe for successful financial management in agriculture. We make no compromises when it comes to efficiency, because our objective is to be the leader for cost-effectiveness per hectare and kilometre. Then the best technology is just enough, technology like that which we build into the tractor: for example, the highly efficient Vario drive train and the cutting edge engine technology with double-charging in combination with TMS.

FENDT

Leaders drive Fendt



www.fendt.com

Sales agent:


Your Agriculture Company

AGCO GmbH – Fendt Marketing
87616 Marktobendorf, Germany

Fendt is a worldwide brand of AGCO.

All data regarding delivery, appearance, performance, dimensions and weight, fuel consumption and running costs of the vehicles correspond with the latest information available at the time of going to press. Changes may be made before the time of purchase. Your Fendt dealer will be pleased to supply you with up-to-date information.