

FENDT

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 396 hp, the 900 Vario can simply do more and does it a lot better, thanks to intelligent technology. Benefit from the leading high-horsepower tractor and invest in the Fendt 900 Vario.



Show greatness. Have greatness.

Professional farming enterprises clearly choose Fendt. With the Fendt 900 Vario, you experience bundled expertise in power transmission, electronics, efficiency and robustness. Thanks to its stable, lightweight construction, highest payload and unique technologies, this high-horsepower tractor can do more and does its work better.

Can do more.

For high-horsepower tractors, performance and profitability as well as comfort and safety are what count the most. To take a leading position here, the Fendt 900 Vario has ground-breaking technical advantages.

- x5-cab with 3.5 m³ of air space and a panoramic windscreen
- Lightweight base tractor with 10.8 t vehicle weight
- High payload up to 7.2 t and a permissible overall weight up to 18 t
- Integral tyre pressure regulation system Fendt VarioGrip
- ABS anti-lock braking system
- Automatic radiator cleaning with reversible fan
- Self-levelling independent wheel suspension on front axle with locking function
- LED lighting concept for driving and work lights
- TMS with automatic maximum output control 2.0 for perfect engine and transmission management
- New Fendt VarioGuide automated steering
- Automatic section control with SectionControl Assistant
- VariableRateControl (VRC) permits working from application maps
- Auxiliary control valves with replaceable (FFC) cartridges and up to 170 l/min maximum flow



Does it better.

With the integrated tyre pressure regulation system VarioGrip, you can optimally regulate the tyre pressure for operations in the field and on the road. The tyre pressure is set to the ideal value when driving. With the right tyre pressure in the field, farmers can work up to 8% more area with the cultivator and save 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.*

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

Fendt 900 Vario.
Constantly achieve more.

	kW	hp
Fendt 927 Vario	202	275
Fendt 930 Vario	224	305
Fendt 933 Vario	247	336
Fendt 936 Vario	269	366
Fendt 939 Vario	291	396

Maximum output to ECE R120

STRONG ALL OVER FOR HIGHER PERFORMANCE

Pulls more.

Does it more efficiently.

Fundamental innovations have found their way into the Fendt 900 Vario, ones that further improve the efficiency of the tractor series. The primary innovation is the combination of new engine technologies with the optimised continuously variable Vario transmission – here the best of the best come together. Lively handling through greater dynamics, higher torque and improved power availability. At the same time, intelligent solutions, such as the tractor management system TMS, ensure low consumption of both fuel and AdBlue.

Haul 37 tonnes more a day

The Fendt 900 Vario convinces with up to 16% higher transport capacity* through a top speed of up to 60 km/h at a fuel-saving 1,750 rpm. Those are advantages that make the difference at the end of the day: for example, a Fendt 900 Vario with a transport capacity of a total of 230 tonnes in ten hours moves 37 tonnes more thanks to the higher speed. And when the Fendt 900 Vario is driven at 50 km/h and an engine speed of 1,450 rpm, it saves even more fuel.

* in-house measurement

The integral tyre pressure regulation system VarioGrip adapts the tyre pressure within the shortest amount time – even 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.



Integral tyre pressure regulation system Fendt VarioGrip

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. Furthermore, it reduces soil compaction considerably and therefore keeps yield losses at a minimum. When driving on the road, a higher air pressure ensures more stable handling and lowers roll resistance, which reduces fuel consumption and tyre wear.

Optimal ballasting

Whether you use your Fendt 900 Vario primarily for field work, haulage or special operations – you will profit from its low unladen weight of just 10.8 tonnes in any case. On the one hand, you have higher payload reserves of up to 7.2 tonnes and, on the other hand, you don't need to transport unnecessary weight. A tailor-made ballast concept is ideal for heavy draft work.

The perfect integral tyre pressure regulation system VarioGrip controls tyre pressures from 0.6 to 2.5 bar within minutes. The optimal tyre pressure saves fuel, protects the soil and increases traction.



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.



ENGINE AND EXHAUST TECHNOLOGY

Constantly achieve more.

More dynamics thanks to twin turbocharger
 With up to 396 hp maximum output, the Fendt 900 Vario delivers massive power and dynamic acceleration. 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.

Can do more with twin 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.

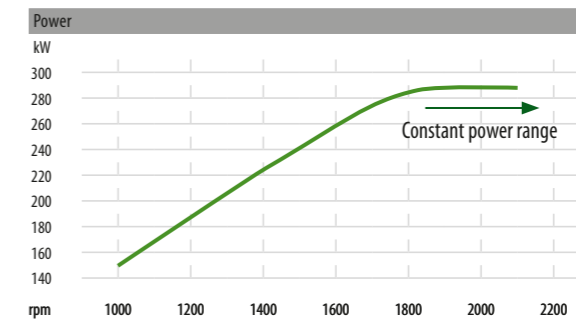
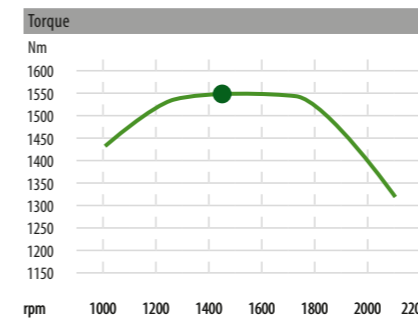
Fuel efficiency thanks to low rated speed
 The engine performance allows the rated speed to be reduced to 2,100 rpm. This not only further improves fuel efficiency, but also provides for a pleasantly low noise level.

Optimal solution for emissions 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. This exhaust after-treatment features a combination of SCR technology, a maintenance-free, self-regenerating passive diesel particulate filter and AGReX exhaust gas recirculation.

The combination of external exhaust gas recirculation (AGReX), passive diesel particulate filter (CSF) and SCR technology delivers a particularly sophisticated solution for extremely low operating costs.



A reversible fan is capable of automatically reversing the air flow so the cooler elements are effectively blown clean. This feature is also available as a headland management sequence. What's special: Depending on the cooling requirements, the position of the fan blades is adjusted to increase the cooling efficiency. This saves fuel.



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 power is equivalent to the maximum power.

THE MOST MODERN TRANSMISSION TECHNOLOGY

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 considerable savings potential. You save valuable working time in different operations through higher area coverage and also profit from low 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 with either the joystick with four acceleration rates or the foot pedal.

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. The 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. 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 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.



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.



FENDT X5 CAB

Details that are a pleasure.

More space. More visibility. More ergonomics.

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. Versatile automated functions keep your performance and concentration at a high level over the entire work day.

3.5 m² operator 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 air-conditioning 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 comfortable seat is available for your passenger.

Unique safety with laminated safety glass

The Fendt 900 Vario is available with a windscreen made of laminated safety glass. 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. The green shade band on the upper edge of the windscreen protects against glare. The windscreen with laminated safety glass also has a built-in heater.

Comfortable seats and many practical aids

The pneumatic cab suspension reduces vibrations to a minimum and provides high ride comfort. The absolute highlight in ride comfort results from the combination of independent wheel suspension on the front axle, pneumatic cab suspension and active suspension on the driver seat. The black leather, which is available as a package for the driver seat and steering wheel, is robust and gives the seat a sophisticated look. 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.

The optional wide-angle mirror expands the field of vision, which greatly enhances safety. The hazard zone, which is usually located in the blind spot, is easier to see into and unforeseen situations can be avoided.

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 180 degrees, including the steering wheel, multi-function armrest and all the control elements.



The automatic climate control in the x5 cab ensures pleasant temperatures inside the cab.



The 300° wiper enlarges your field of vision and keeps the window clean, even under the most adverse conditions, so you always have a free view over the entire front of the tractor and into the wheel arches.



Hands-free phone conversations are possible in best audio quality thanks to the flexible, moveable swan-neck microphone.

FENDT VARIOTRONIC

Varioterminal and implement control

Flat menu hierarchy and everything in view

Fendt has been consistently following the one-terminal strategy. The result is the unique integration of functions in just one terminal. 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, glare-free screen in smartphone look and all function indicators automatically adapt to ambient light conditions. The anti-glare night mode makes night work no problem.

The Varioterminal 7"

Straightforward, intuitive and practical – the new Varioterminal 7" with LED backlighting unites all tractor and implement functions in one terminal. ISOBUS-capable implements can also be controlled directly with the Varioterminal. You will find your way around easily in the flat menu hierarchy and the clear display. Menu items are selected directly on the touchscreen or per click of a key, the surface is extremely scratch-proof and easy to clean.

A 4-in-1 terminal: the Varioterminal 10.4"

Tractor and implement controls, camera function as well as guidance and documentation are completely integrated in the Varioterminal 10.4". The straightforward screen layout is practical and can display full-screen and half-screen modes as well as four individual images, each with a different function. The high-quality touch display made of scratch-proof glass has a resolution of 800 x 600 pixels and 16 million colours for a sharp image, even in night mode. Touch operation reacts sensitively and quickly. Key operation is also available.

Perfect for all operations

For the Fendt Variotronic, the ISOBUS interface is the decisive link to the implements. Using Variotronic Implement Control, all devices that are compatible with ISO 11783 can be operated easily and quickly with the Varioterminal and, if supported, with the multi-function joystick as well.



The new Varioterminal 10.4" 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.

The Varioterminal 7" is the handy and optional companion for tractor operations and ISOBUS implement control.

The functions for the Variotronic implement control (ISOBUS) and headland management can be assigned to the multifunction lever as needed. In combination with the VarioGuide automated steering system, Variotronic^{II} automatic enables automatic activation of sequences at the headland.



With Variotronic^{II} headland management, operators can create operating sequences for turns, while driving or standing still, and save them. Settings for the 4WD and differential lock engagement, 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.

4-way multi-function joystick with additional operating buttons for the 3rd and 4th Auxiliary hydraulic control unit, cruise control and engine speed memory buttons as well as activation of the Variotronic^{II} headland management. It is also possible to assign up to 10 ISOBUS functions to it.

FENDT VARIOTRONIC

Precise track, perfect application, greater yield.

Always on the ideal track

With Fendt VarioGuide you can drive reliably and accurately, even in areas with difficult reception conditions. Fendt VarioGuide permits the highest possible utilisation of your machines, because you can work without actively having to steer, even at night or with large working widths. With VarioGuide, the tractor automatically maintains the ideal line so that you can concentrate fully on the implement. Overlapping is reduced and, depending on the working procedure, savings of three to ten percent can be achieved. Depending on the application, you can work with two different accuracy levels: with deviations of approx. 20 cm (VarioGuide Standard) or with up to an accuracy of 2 cm (VarioGuide RTK).

Superior flexibility in terms of receivers

With the new version of Fendt VarioGuide, there are now two different receiver systems available, NovAtel® and Trimble®. Existing Trimble® RTK infrastructures on the farm, such as NTRIP, can continue to be used. A number of correction signals are supported, depending on the receiver, for example, EGNOS/WAAS or RangePoint RTX™, CenterPoint RTX™ and Ntrip. Should you lose your signal due to the terrain, VarioGuide continues to work reliably up to 20 minutes without a correction signal thanks to Trimble®-xFill™ technology.

Variable application with VariableRateControl (VRC)

Data transfer with VarioDoc Pro now permits variable rate application, based on the needs of the soil or plants, and therefore saves operating inputs. Based on VarioDoc Pro for documentation, a new solution for precision farming, variable rate control function (VRC), is now available. Individual requirements for seeds, fertiliser and pesticides are visualised on application maps, called up during work and automatically executed. The big advantage: Operating inputs can be defined and planned with the aid of the field database and then applied with utmost precision.

From the field database to the application map

VariableRateControl (VRC) is based on the ISOBUS standard with the "TC-GEO" functionality. The application map is created with the aid of a compatible field management system and transferred to the Varioterminal via VarioDoc Pro. VariableRateControl allows 5 application maps to be worked parallel. Additionally, an as-applied map of the applied quantity is created for later checking. Tank management is available for large implements, which have several containers. It can define whether the containers are emptied parallel or in a specific sequence – if the implement supports this function.

When operating ISOBUS-capable sprayers, fertiliser spreaders or seed drills, SectionControl can now switch up to 36 sections.

With the fully automatic SectionControl for ISOBUS implements, you can apply seeds, fertiliser or pesticides without overlapping. This prevents double treatment and areas worked outside of the field boundaries. With the aid of the SectionControl assistant, you can set the correction values for each implement, quickly and easily. The switch on and off points can be set precisely from the very beginning, which automatically results in economical application.



Your benefit with the Fendt Variotronic: Your Fendt's software is updated during servicing in the workshop, including new, additional features.



With VariableRateControl (VRC), you can farm according to site-specific application maps, depending on the ground and crop. So you can save on inputs.

DATA TRANSFER AND DOCUMENTATION

Connectivity that adds more value

Efficient from tractor up to fleet

The operating strength of your fleet is optimised as soon as the machines are connected effectively to each other. The newest interfaces and software solutions already permit machine data to be called up independent of location today, which enables immediate reaction. This increases the reaction and operating times of your entire fleet at the push of a button.

Productivity at a glance with Fendt 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 then analysed, all in the shortest amount of time. The data is transferred wirelessly from the Varioterminal to the field database using the ISOBUS Standard TC-BAS. Data on the quantity of seeds and fertiliser applied or the fuel consumption per hectare is available immediately after the work is done. Additionally, jobs can be created in the PC and sent to the terminal

Fendt VarioDoc Pro: real-time data monitoring

VarioDoc Pro also permits recording of GPS position data and data transfer in near real-time. Automatic, seamless exchange with ISOXML-compatible field management software and mapping in real-time is therefore possible. The data for the operating inputs that have been used are transferred according to the TC-Geo standard and can be viewed in the Varioterminal while working.

VarioDoc enables wireless data transfer from the Varioterminal to the field database. VarioDoc Pro continually records position and machine data and data transfer is possible via mobile network.

The Variotronic Implement Control (ISOBUS) is perfectly integrated in the Varioterminal 7" and Varioterminal 10.4". The implement is controlled with the terminal and joystick, an additional terminal is not required.



AGCO's all-encompassing electronics strategy FUSE™ provides seamless integration and networking of the entire fleet for farmers and contractors. Under the name Fuse Technologies™, AGCO and Fendt provide solutions for precision farming that reduce operating costs and make machine operations even more efficient and profitable.

PROVEN BEST PERFORMANCE

Tested efficiency.

Higher efficiency and performance

A decision for a Fendt always means a decision for leading technology in any performance class. Fendt tractors 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 or the VarioDoc documentation system. The outstanding fuel economy of a Fendt goes without saying.

Absolutely easy to operate

Ideal diagnostic capabilities and long maintenance intervals ensure the tractor keeps on running. The remote transmission measuring points permit fast and simple diagnostics without having to disassemble the wheel. Failures can be analysed quickly through the fault codes in the instrument cluster. The separate oil

supply means the transmission and hydraulic oil only needs to be changed every 2,000 hours under normal conditions. The Fendt 900 Vario has a number of factors that keep downtimes and maintenance costs low.

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.



DLG silver medal for the integrated tyre pressure regulation system Fendt VarioGrip

Awarded at the Agritechnica 2009.

DLG silver medal for the load relief front linkage control

Awarded at the Agritechnica 2011.

“With a diesel consumption of only 242 g/kWh and 10.7 g/kWh AdBlue, the Fendt 900 Vario is the most economical tractor compliant with Tier 4 Final up to now.”

Fendt 939 Vario in the DLG PowerMix, profi Issue 08/2015

“Well-balanced, with adequate ballast and the right tyre pressure, the Fendt 939 Vario proves to be a capable draft tractor.”

Matériel Agricole, Issue 4/2015

“And in terms of effectiveness, the 939 Vario does not need to hide: of the now 287 kW/390 hp rated power, 258 kW/351 hp actually arrived at the stub on the test bench at the DLG Test Centre.”

profi, Issue 08/2015

FENDT STARSERVICE: THE BEST SERVICES

For more from your investment.



100% quality, 100% service

To ensure that your Fendt 900 Vario delivers 100 percent performance at all times, we offer you 100 percent service. In addition to the best diagnostics-capability and ease of repair, this includes availability of replacement parts 24/7 during the season. Furthermore, the Fendt Service network guarantees short paths between you and our trained Service staff. You also get a 12-month warranty on original Fendt parts and their installation. Repairs with original parts ensure that your Fendt tractor retains its value.

Performance and profitability under contract

A Fendt StarService contract gives you full cost control with the best service. The Fendt service package includes all the prescribed maintenance work based on attractive fixed prices. The ProService package includes regular maintenance and repairs in combination with an extended warranty of up to 6,000 total operating hours or up to five years.

Individual financing and rental models

Purchasing machinery is a high capital investment. Your Fendt dealer will assist you in working out a customised financing plan for your new machine together with the agricultural financing experts at AGCO Finance. If you have a short-term need for additional capacity or prefer long-term use without having to buy, your Fendt sales partner has the ideal rental offer for you.

Retention of value through the latest software version

Every time the tractor goes in for servicing, your Fendt dealer updates the entire tractor software. Then you can profit from new, additional features for your Fendt. That gives you access to new operating benefits as well as a proactive retention of value, since your Fendt is always kept up to date.

Fendt stands for high quality. To honour this promise, running quality control takes place during daily production. When your Fendt 900 Vario is delivered to your farmyard, it has already run through all the quality gates along the entire production line.

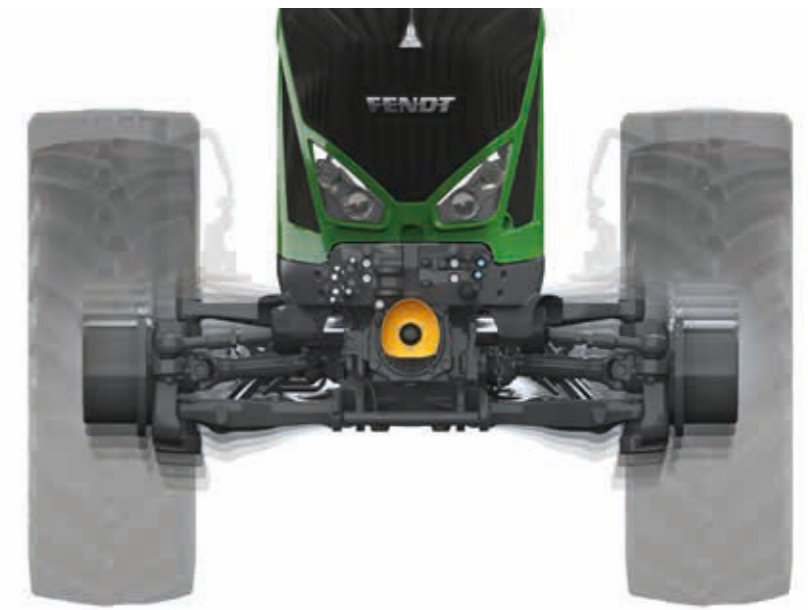
The Varioterminale informs you about the next maintenance and servicing dates, it even has a reminder function.



With the smartphone app "AGCO Parts Books to Go", you can find and directly order Fendt replacement parts quickly and easily. The app is available through the App Store or the Google Play Store. Please contact your Fendt dealer for your personal access data.

The best product – the best services: Certified Fendt dealers are distinguished by their first-class expertise and their comprehensive range of services. They regularly undergo strict audits to prove their high-quality of service. Your FENDT is in the best hands here.

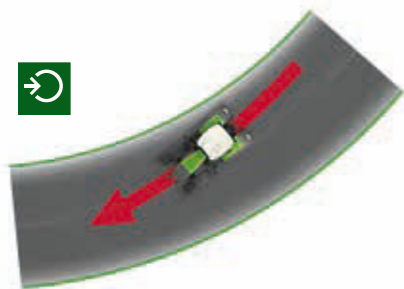
The hydropneumatic independent wheel suspension is fitted with a double wishbone axle, so each wheel is suspended individually, which ensures maximum comfort and the best traction. This prevents power-hopping during heavy draft work. The fully automatic levelling control ensures that both sides have the same suspension travel with up to eight tonnes front axle load. Furthermore, the 300-mm suspension travel can be run through manually when standing still, e.g. for picking up a front weight without front linkage.



DRIVING DYNAMICS WITH SAFETY AND COMFORT

Can do it faster. Does more.

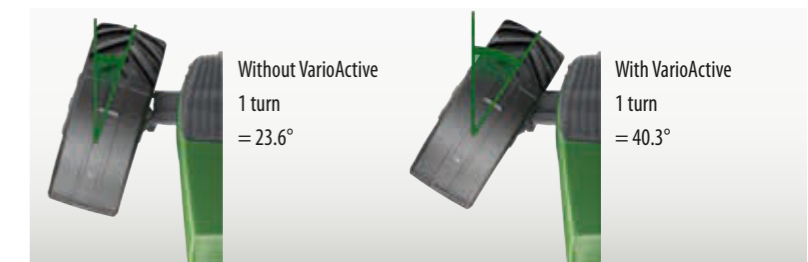
Fendt Stability Control (FSC) provides additional stability and steering precision when driving above 20 km/h on the road. When the driving speed drops below 15 km/h, compensation between the left and right side is possible again, which guarantees the best ground contact.



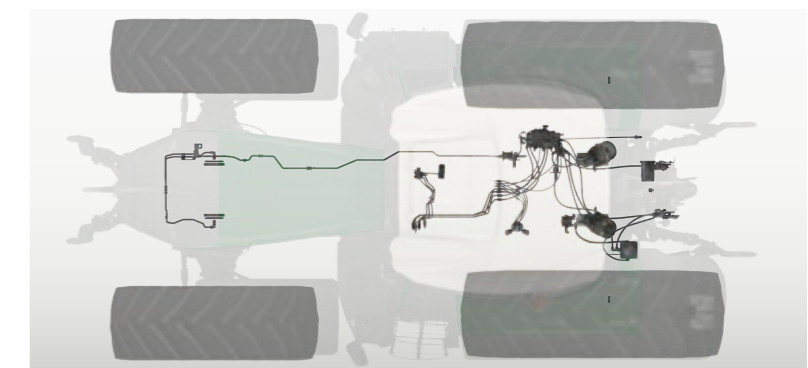
Cornering without FSC



Cornering with FSC



In relation to the standard setting, with VarioActive one only needs approx. 60% fewer turns of the steering wheel for the same wheel angle. With VarioActive, you profit through the faster reaction of the steering during tight turning manoeuvres at the headlands. For reasons of safety, it can only be used from 0 – 25 km/h.



The Fendt 900 Vario is equipped with an ABS anti-lock braking system. The tractor can be steered and controlled better, even when braking sharply on wet or loose surfaces.

Maximum on-road and in-field driving safety

With the unique Fendt Stability Control FSC you always have a safe feeling when driving, even in curves. At the same time, the practically maintenance-free braking system, comprising wet multi-disc brakes for the front and rear wheels, provides high driving safety and excellent deceleration. The intelligent brake light control activates the brake lights and warns the traffic behind you that you are decelerating, even when the brake pedal is not pressed.

Does it safely

Speed is a must for transport work – exactly the right thing for the new Fendt 900 Vario. It is optionally available with a top speed of 40, 50 or 60 km/h. And with this high-horsepower tractor, you will reach your destination safely: Equipped with the latest safety systems for tractors, such as ABS or the automated steering axle for the trailer with self-steering axle, driving the 900 Vario is now even safer.

ABS – for the highest level of braking safety

The ABS module measures the speed on each individual wheel using four speed sensors and compares these in the control unit. If the speed on one wheel is too slow when braking, e.g. due to different surfaces, the ABS automatically opens the corresponding brake to prevent the wheel from locking. Since the wheels on a tractor have different sizes on the front and rear axles and they have high torque of inertia through their weight, the ABS module also communicates with the tractor

control unit. Whether on snow, ice or gravel, you can always rely on your Fendt tractor thanks to the excellent coordination between technology and software.

MOUNTING AREAS AT THE FRONT AND REAR

Intelligent technology at the front and rear. Suitable for every application.



Has more interfaces

The Fendt 900 Vario offers more interfaces than any other tractor in its performance class: six electro-hydraulic double-acting valves at the rear plus two in the front, Power Beyond, ISOBUS connection and much more. Overall, the Fendt 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.

Powerful lift capacity

The electrohydraulic rear power lift, 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.

The interchangeable male couplings can be simply screwed into the coupling block and replaced as required for the implement to be used.



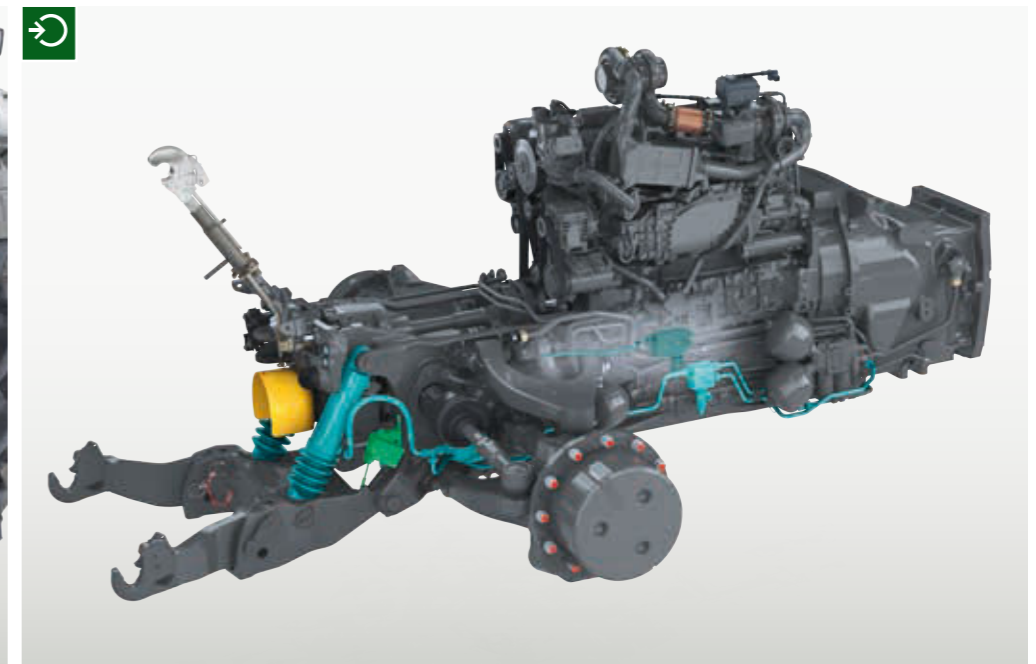
The direct force path from the engine to the PTO stub means the Fendt 900 Vario transmits power especially efficiently. Nominal PTO speeds are already reached at an engine speed below 2,000 rpm with excellent efficiency.



With the external valve controls, you can actuate the rear linkage, one valve and the PTO directly on the rear mudguards. Using the external controls for the rear PTO, a preset engine speed can targeted automatically.



The lower links on the rear linkage can be folded up into parking position, so that there is 15 cm more space for the drawbar of a trailer.



The comfort front linkage on the Fendt 900 Vario has optional load relief control. It allows the weight of the implement to be transferred to the tractor. This is especially advantageous when working with a front mower or winter maintenance implements, because it reduces the load on the implement and increases steerability. The relief pressure can be adjusted in the Varioterminal.

Versatile coupling system

The Fendt 900 Vario delivers an excellent hydraulic capacity of 152 l/min and features valves with a flow volume of 140 l/min even in the standard variant. A fourth control unit can be optionally combined with 3/4" and 5/8" FFC couplings for a flow volume of up to 170 l/min. All hydraulic couplings are easy to operate and can also be coupled under pressure on both sides in the DCUP variant.

PTOs with economy function

The PTO speeds 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.

FENDT X5 CAB

Comfortable seats and many practical aids.



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.



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



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



□ 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.



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



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



□ The air-suspended super comfort seat Evolution dynamic Dualmotion has an adaptive backrest, seat heater, low frequency suspension, pneumatic lumbar support and adjustable armrest. The seat cover is available in either a black fabric or black, smooth leather in combination with a leather steering wheel.



□ The air-suspended super comfort seat Evolution active Dualmotion is the absolute high-tech seat variant. Operators profit from the additional active suspension. The seat cover is available in either a black fabric or black, smooth leather in combination with a leather steering wheel.



■ The 3-point 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.



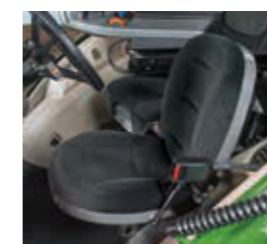
□ A special feature is the standard specification bonded windscreen. For even greater comfort and safety, a heated front windscreen made of laminated safety glass is also available.



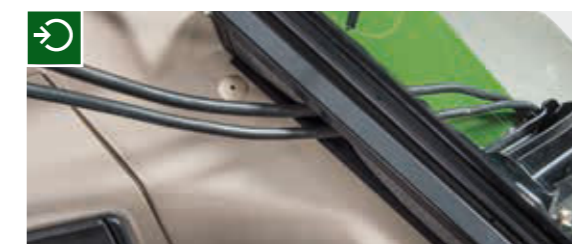
□ There are numerous sockets provided in the cab, including several 12V sockets, an ISOBUS socket and signal socket.



■ The comfort seat features air suspension and easy armrest adjustment.



□ The comfortable passenger seat with backrest and safety belt offers passengers safety and comfort for long work days.



■ 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.

THE LIGHTING AND INTERFACES ON THE FENDT 900 VARIO

See more. Move more.



■ 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 treads on the steps are also perfectly illuminated.

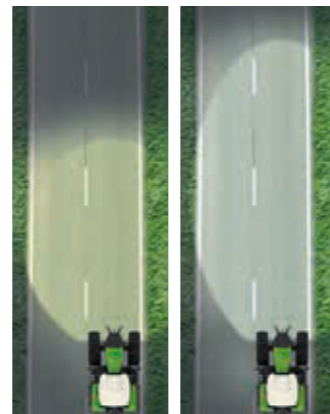
□ The lighting design concept on the Fendt 900 Vario has been perfected and is state-of-the-art. The dipped and main beams have the latest Bi-LED lamps with headlamp levelling. The work lights and corner lights are also fitted with LED lamps. This permits precise control of the illumination and provides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



■ The interior lighting is perfectly designed for the important areas. Whether day or night, the most important operating elements are pleasantly backlit. The intensity of the lighting is automatically control via a light sensor, dependent on the light conditions.



■ The lighting is easily set and adjusted thanks to its straightforward layout. With the one-button system, all work lights can be actuated at once by pressing one button on the keypad.



□ The light range of the LED headlights can be adapted to the situation at hand, for example for driving on the road. Furthermore, the LED lights save power and have a long lifetime.



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 catch hooks
- Hitch
- Rear PTO
- Bottom hitch



Interfaces at the front:

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

Standard and optional equipment
Standard: ■
Optional: □

EQUIPMENT VARIANTS

Fendt 900 Vario.
Can do more. Does it better.

		Power	PowerPlus	Profi	ProfiPlus
Engine	Reversible fan	□	□	□	□
	Fuel pre-filter (heated)	□	□	□	□
	Preheater unit (engine, transmission, hydraulic oil)	□	□	□	□
	Exhaust brake	□	□	□	□
Transmission	Shuttle function, stop-and-go function	■	■	■	■
	Acoustic signal when reversing	□	□	□	□
Vario operation	Speed control lever 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 with touchscreen and key control			□	■
	Variotronic implement control for ISOBUS	□	■	■	■
	Variotronic ² - Headland Management System ready for automatic steering system		■	■	■
	Guidance system VarioGuide NovAtel / Trimble		□		□
	VarioDoc - documentation system (only with Varioterminal 10.4")			□	■
	VarioDoc Pro - documentation system / AgCommand™ telemetry system (only with Varioterminal 10.4")				□
	SectionControl				□
	VariableRateControl				□
	VarioActive steering				■
	Electronic immobiliser	■	■	■	■
Without immobiliser	□	□	□	□	
Cab	Active charcoal filter	□	□	□	□
	Pneumatic cab suspension, 3-point with integral self-levelling	■	■	■	■
	Super Comfort Seat, air sprung	■	■	■	■
	Super comfort seat Evolution dynamic / CA	□	□	□	□
	Super Comfort Seat Evolution active DuMo leather/CA	□	□	□	□
	Super Comfort Seat Evolution active DuMo/CA	□	□	□	□
	Super Comfort Seat Evolution dynamic DuMo/CA	□	□	□	□
	Super Comfort Seat Evolution dynamic DuMo leather / CA	□	□	□	□
	Leather pack (steering wheel, operator's seat)	□	□	□	□
	Comfort instructor seat	□	□	□	□
Chassis	Integrated automatic climate control	■	■	■	■
	Front windscreen laminated safety glass, heated	□	□	□	□
	Rear window heated	□	□	□	□
	300°-front windscreen wipers (with continuous windscreen)	■	■	■	■
	Rear window wash/wipe	□	□	□	□
	Ext. rearview mirror, electrically adjustable, heated	■	■	■	■
	Wide-angle mirror	■	■	■	■
	Radio mounting kit with two stereo speakers	■	■	■	■
	Radio CD MP3	□	□	□	□
	Radio CD MP3 hands-free speaking system	□	□	□	□
	EC tachograph standard	□	□	□	□
	Radar sensor	□	□	□	□
	Reverse drive control	□	□	□	□
Cool box	□	□	□	□	
Lighting	Auxiliary lights front	■	■	■	■
	LED corner light	□	□	□	□
	Work lights LED A-pillar, rear mudguard	□	□	□	□
	LED rear roof work lights 4x	□	□	□	□
	LED front external roof work lights 2x	□	□	□	□
	LED front internal roof work lights 2x	□	□	□	□
Chassis	LED headlamps with headlamp levelling	□	□	□	□
	LED rear lights	□	□	□	□
	FSC Fendt Stability Control	□	□	□	□
	ABS anti-lock braking system, pneumatic	□	□	□	□
	Single wheel suspension front axle	■	■	■	■
	Steering brake	□	□	□	□
	Single-circuit braking system 1 pedal	■	■	■	■
	Single-circuit braking system, 2 pedals and steering clutch brake	□	□	□	□
	Dual-circuit braking system with FSC Fendt Stability Control			□	□
	Automatic trailer steering axle lock	□	□	□	□
	Compressed air system 1-/2- circuit system	■	■	■	■
	Compressed air Duomatic coupling	□	□	□	□
	VarioGrip tyre pressure regulation system	□	□	□	□
4WD	Rear / front differential with 100% disc locking and steering angle sensors	■	■	■	■
Power lift	Sa front power lift, with external control (separate valve)	□	□	□	□
	Comfort front power lift da, with position control, external controls			□	□
	Electrohydraulic power lift da (EHR), with external controls	□	□	□	□
	Electrohydraulic power lift sa (EHR)	■	■	■	■
	Hydraulic lower link lateral stabiliser	□	□	□	□
PTO	Lower link tail arrester cat. 4	□	□	□	□
	Front: 1000 rpm	□	□	□	□
	Rear: Flanged PTO 540E/1000 rpm	■	■	■	■
	Rear: Flanged PTO 1000/1000E rpm	□	□	□	□
Hydraulic system	External controls for rear PTO	■	■	■	■
	EHS valve actuation linear module	■	■	■	■
	External control for hydraulic control unit at rear	■	■	■	■
	Load sensing system with axial piston pump (152 l/min)	■	■	■	■
	Load sensing system with axial piston pump (205 l/min)	□	□	□	□
	4. EHS valve at rear	□	□	□	□
	5. EHS valve at rear			□	□
	6. EHS valve at rear			□	□
	1. Front EHS valve			□	□
	2. Front EHS valve			□	□
Additional equipment	Hydraulic power beyond connection	□	□	□	□
	Return rear	■	■	■	■
	Unpressurised rear return flow	□	□	□	□
	Double connect-under-pressure lever couplings rear	□	□	□	□
	CUP coupling rear	■	■	■	■
	Bio hydraulic oil	□	□	□	□
	Automatic trailer hitch with remote control, rear	■	■	■	■
	Ball coupling, height adjustable	□	□	□	□
	Ball coupling, short, in the bottom hitch	□	□	□	□
	Ball coupling, long, in the bottom hitch	□	□	□	□
Additional equipment	Hitch	□	□	□	□
	Drawbar	□	□	□	□
	Piton-fix	□	□	□	□
	Comfort ballast for front-end weight (not available with front power lift)	■	■	■	■
	Wheel weights, rear wheels	□	□	□	□
	Forced steering (one or two-sided)	□	□	□	□
	Wide vehicle marker	□	□	□	□
	ABS trailer sockets	□	□	□	□

Technical Specifications.



		927	930	933	936	939	
Engine	Fendt 900 Vario						
	Rated power ECE R 120	kW/hp	202/275	224/305	247/336	269/366	291/396
	Maximum power ECE R 120	kW/hp	202/275	224/305	247/336	269/366	291/396
	No. of cylinders	Number	6	6	6	6	6
	Cylinder bore/stroke	mm	110/136	110/136	110/136	110/136	110/136
	Cubic capacity	cm ³	7750	7750	7750	7750	7750
	Rated speed	rpm	2100	2100	2100	2100	2100
	Optimum fuel consumption	g/kWh	194	194	194	194	194
	Max. torque at 1500 rpm	Nm	1160	1278	1380	1515	1565
	Fuel level	litres	600	600	600	600	600
AdBlue tank	litres	36	36	36	36	36	
Transmission and PTO	Transmission type		ML 260	ML 260	ML 260	ML 260	ML 260
	Speed range 1	km/h	0,02-35	0,02-35	0,02-35	0,02-35	0,02-35
	Speed range 1 - reverse	km/h	0,02-20	0,02-20	0,02-20	0,02-20	0,02-20
	Speed range 2	km/h	0,02-60	0,02-60	0,02-60	0,02-60	0,02-60
	Speed range 2 - reverse	km/h	0,02-33	0,02-33	0,02-33	0,02-33	0,02-33
	Top speed	km/h	60	60	60	60	60
	Rear PTO		540E/1000	540E/1000	540E/1000	540E/1000	540E/1000
	Rear PTO optional		1000/1000E	1000/1000E	1000/1000E	1000/1000E	1000/1000E
Front PTO option		1000	1000	1000	1000	1000	
Power lift and hydraulics	Variable flow pump	l/min	152	152	152	152	152
	Variable flow pump option 1	l/min	205	205	205	205	205
	Working pressure / control pressure	bar	200+10	200+10	200+10	200+10	200+10
	Max. valves (front/centre/rear) Power / Power Plus	Number	2/0/6	2/0/6	2/0/6	2/0/6	2/0/6
	Max. valves (front/centre/rear) Profi / Profi Plus	Number	2/0/6	2/0/6	2/0/6	2/0/6	2/0/6
	Max. available hydraulic oil volume	litres	87	87	87	87	87
	Max. lift capacity of rear power lift	daN	11800	11800	11800	11800	11800
Max. lift capacity of front power lift	daN	5584	5584	5584	5584	5584	
Electrical features	Batteries	Number	1	1	1	1	1
	Battery power	Ah/V	180/12	180/12	180/12	180/12	180/12
	Alternator	V/A	14/2x150	14/2x150	14/2x150	14/2x150	14/2x150
Tyres	Front tyres (standard)		600/65R34	600/65R34	600/65R34	600/70R34	600/70R34
	Standard tyres rear		650/85R38	650/85R38	710/70R42	710/75R42	710/75R42
	1. Optional front tyres		600/65R34	600/65R34	600/65R34	600/65R34	600/65R34
	1. Optional rear tyres		710/70R42	710/70R42	800/70R38	800/70R38	800/70R38
	2. Optional front tyres		600/70R34	600/70R34	600/70R34	710/60R34	710/60R34
	2. Optional rear tyres		710/75R42	710/75R42	710/75R42	900/60R42	900/60R42
Dimensions	Front track width (standard tyres)	mm	2100	2100	2100	2100	2100
	Rear track width (standard tyres)	mm	2050	2050	2000	2000	2000
	Overall width with standard tyres	mm	2750	2750	2750	2750	2750
	Overall length	mm	5655	5655	5655	5655	5655
	Overall cab height with standard tyres without VarioGuide	mm	3272	3272	3272	3322	3322
	Overall cab height with standard tyres with VarioGuide	mm	3308	3308	3308	3358	3353
	Max. ground clearance	mm	575	575	575	575	575
	Wheelbase	mm	3050	3050	3050	3050	3050
Weights	Unladen weight (base tractor with cab - full tanks, without driver)	kg	10830	10830	10830	10900	10900
	Max. permissible overall weight up to 40km/h (1-circuit brake)	kg	18000	18000	18000	18000	18000
	Max. permissible overall weight up to 40km/h (2-circuit brake)	kg	18000	18000	18000	18000	18000
	Max. permissible overall weight up to 50km/h (1-circuit brake)	kg	15000	15000	15000	15000	15000
	Max. permissible overall weight up to 50km/h (2-circuit brake)	kg	18000	18000	18000	18000	18000
	Max. permissible overall weight up to 60km/h (2-circuit brake)	kg	16000	16000	16000	16000	16000
	Max. trailer hitch load	kg	2000	2000	2000	2000	2000

What can we do for you?

What makes Fendt Service different?

For us, service means knowing and understanding your work in order to meet your demands for reliability and safety and to act in your economic interest. We stand behind our products and have developed them for the highest demands and long-term operation. Our service is the partnership aspect for your work.

What is the Fendt one-terminal concept?

On the one hand, only one terminal means: The vehicle controls, ISOBUS implement control, VarioGuide automated steering, VarioDoc documentation, camera functions or various assist functions are all conveniently controlled through one terminal, the Fendt Varioterminal. Only one terminal also means that at Fendt, the operating interface is the same across the entire range and is logical. No matter if you are driving a Fendt Vario, a Fendt combine or a Fendt Katana, you will find your way around immediately and feel at home in all the Fendt machines.

Can I update Variotronic?

Fendt Variotronic can be updated. In this way you always have the latest version on your Fendt and have the future on your terminal. Please contact your dealer for further information.

What is Fendt Expert?

Become a Vario pro with Fendt Expert driver training: Are you already familiar with all the functions that the technology has to offer? Take advantage of the technology that is found in every Fendt Vario and learn how to optimise the use of all the features with Fendt Expert. Our team of professional instructors offers you competent instruction to enable you to exploit the full performance potential of your Fendt tractor. Inform yourself through your dealer and sign up.

What is Fuse™?

Fuse™ Technologies provides ultra-modern precision farming solutions across all AGCO brands. It permits farmers and contractors to integrate and connect their entire fleet seamlessly, resulting in reduced operating costs and even more efficient and profitable machine operations.

www.agcotecnologies.com



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Fendt Configurator

With the Fendt Vehicle Configurator, you can choose from all the available equipment variations and put together the optimally equipped vehicle for your farm. The Fendt Configurator is available online at www.fendt.com, where you will find a quick link to it directly on the start page.

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Test drives

At fendt.com, you will find the area Service and Sales under "Fendt World". Select the "tractor demonstration service", then you can already register for a test drive with a tractor.

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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. Vehicles are not shown with country-specific equipment.