

FENDT

Fendt 900 Vario





Can do more.
Does it better.

Since 1995, the tractor market for large farms and contractors has been headed by the Fendt 900 Vario. With maximum power of 396 HP, the Fendt 900 Vario can simply do more, and do it much better thanks to smart technology. Benefit from the leading high-horsepower tractor and invest in the Fendt 900 Vario.



Engine	927 Vario	930 Vario	933 Vario	936 Vario	939 Vario	
Rated power ECE R 120	kW/hp	202/275	224/305	247/336	269/366	291/396

Show greatness.
Have greatness.

Professional enterprises clearly prefer Fendt. Enjoy the benefit of accumulated expertise in the Fendt 900 Vario when it comes to powertrain function, electronics, efficiency and durability. Thanks to its sturdy lightweight construction, exceptional high payload, and unique technologies, the high-power tractor can do more, and can do it better.

Can do more

When it comes to high-horsepower tractors, power and efficiency, and comfort and safety hold the key.

- 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
- 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
- Latest-generation LED headlight design
- Tractor management system (TMS) with automatic limit load 2.0
- Fendt VarioGuide automated steering system
- Automatic section control with SectionControl Assistant
- VariableRateControl (VRC)



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 level during the ride. With the right tyre pressure in the field, the farmer works up to 8% more land with the cultivator, and makes an additional diesel saving of 8%*. 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.

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

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. It also considerably reduces soil compaction to keep 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.



The integral tyre pressure regulation system VarioGrip adapts the tyre pressure within the shortest amount of 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.

ENGINE AND EXHAUST TECHNOLOGY

Constantly achieve more.

More dynamics thanks to twin turbocharger
Fendt 900 Vario provides enormous power and dynamic acceleration with a maximum power of up to 396 hp. With two turbo loaders and Common Rail high-pressure injection the 7.8-litre Deutz engine provides immense tractive 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. This means 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.

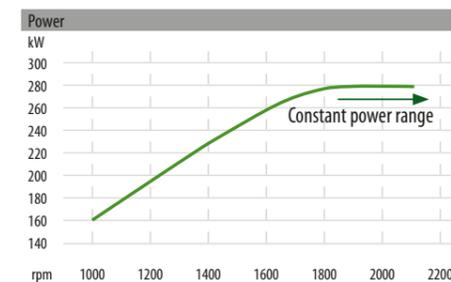
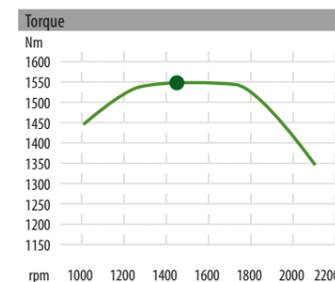
Fuel efficiency thanks to low rated speed
The engine performance allows the rated speed to be reduced to 2,100 rpm. This not only further improves fuel efficiency, but also provides for a pleasantly low noise level.

Optimal solution for emissions Stage 4 / Tier 4 final
The smart 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 maintenance-free, self-regenerating passive diesel particulate filter and the AGRex exhaust gas recirculation.

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.



The reversible fan can reverse the air stream automatically – now as a headland management sequence – 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. That saves fuel.



Engine characteristics – Fendt 939 Vario
The well-rounded torque curve provides more power 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

The smart pre-settings makes work easy. 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, to 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 types of work, such as transport, heavy-duty pulling 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 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.



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.

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's 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 windows – a truly 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 rotate the driver seat 180°, 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.



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



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.

FENDT VARIOTRONIC^{TI}

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 convenient – the new Varioterminal 7" with LED backlighting bring all the tractor and implement functions in one terminal. ISOBUS-capable implements can also be controlled directly with the Varioterminal. With easy flat-hierarchy menu and 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.

4-in-1 terminal: the Varioterminal 10.4"

Tractor and implement controls, camera function as well as guidance and documentation are fully 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^{TI}, the ISOBUS interface is the decisive link to the implements. Variotronic^{TI} implement control is a quick and easy way to control all ISO 11783-compatible implements on the Varioterminal and, if supported, with the multi-function joystick as well.

With the Variotronic^{TI} headland management, drivers 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 cruise control and engine speed memory buttons as well as activation of the Variotronic^{TI} headland management. You can assign up to 10 ISOBUS functions to it.



The new Varioterminal 10.4" excels with its smartphone look and improved touch surface. It is standard in the ProfiPlus equipment level. It is also available in the Profi version upon request.



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



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

FENDT VARIOTRONIC^{TI}

Precise track, perfect application, more yield.

Always on the ideal track

With Fendt VarioGuide you can drive reliably and accurately, even in areas with difficult reception conditions. With Fendt VarioGuide you can get the most out of your machines, because you can work without actively having to steer, even at night or with large working widths. VarioGuide automatically keeps the tractor on 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).

Uniquely flexible receiver selection

The VarioGuide steering system ensures optimum work results and maximum comfort. With the NovAtel receiver, the correction signals SBAS, TerraStar-L & C and RTK keep you on track. Choose a Trimble® receiver to use SBAS, RangePoint™ RTX™, CenterPoint RTX™ and RTK. If you lose your RTK signal due to the terrain, VarioGuide continues to work reliably up to 20 minutes thanks to the Trimble®-xFill™ or NovAtel® RTK Assist solution.

New waylines with Fendt Contour Assistant

Fendt machines with the Varioterminal 10.4 and VarioGuide system with NovAtel® or Trimble® receivers can now use the Fendt Contour Assistant. With the new Contour Segments and Single Track features added to the familiar VarioGuide wayline types, your work is now even easier and more efficient. With Contour Segments, you can record the various segments of the field with just one round-trip, a quick and easy way to add field boundaries. With Single Track, drive along the entire tramline length to record it almost as an infinite contour line.

Automated savings

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. You can set the exact switch on and off points from the outset, which automatically results in economical application. When operating ISOBUS-capable sprayers, fertiliser spreaders or seed drills, SectionControl can now switch up to 36 sections.



Your Fendt Variotronic^{TI} advantage: Your Fendt software is updated during servicing in the workshop, including new, additional features.



The Variotronic^{TI} 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.

DATA TRANSFER AND DOCUMENTATION

Connectivity that adds more value.

Your work 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.

Data monitoring in real-time: Fendt VarioDoc Pro

More options with the Fendt VarioDoc Pro documentation. With GPS recordings and specific settings sent over the mobile network, the key data is documented instantly and directly. All you need is a SIM card (NTRIP and VarioDoc Pro). This enables the automatic, seamless exchange with ISOXML-compatible field management software and mapping. Data including remaining time, remaining surface area and fuel required is sent according to the TC-Geo standard and shown on the Varioterminal while you are working. As a VarioDoc Pro user, you can also upgrade to VariableRateControl (VRC) and record further parameters including diesel consumption and speed.

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 solution for precision farming, variable rate control function (VRC), is now available. The individual requirements for seeds, fertiliser and pesticides are shown on application maps. They are then called up during operation 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.

Efficient from tractor up to data management

Those who invest in a tractor, also invest in the future. As soon as you get your machines well connected, you will optimise the capacity of your fleet. 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 response and operating times of your entire fleet at the push of a button. The new AGCO Connectivity Module (ACM) is the interface between your tractor and the office, taking over the entire telemetry of the data transfer as the central transmission unit on the tractor.



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.



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



AGCO's all-encompassing electronics strategy Fuse Technologies™ 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.

QUALITY STANDARD AND RETENTION OF VALUE

Perfect outlook.



Fendt Certified – Pre-owned machine scheme

Leaders drive Fendt – including with pre-loved agricultural machinery. Used agricultural machines in proven excellent condition and certified Fendt quality are the ideal solution for cost-conscious farmers or to add to your growing fleet.

Fendt Certified offers a number of advantages:

- Certification according to strict quality standards
- Extensive eligibility check (technology, wear, visual appearance)
- Fully serviced wear parts
- Parts are replaced, cleaned and painted where necessary
- One-year warranty (extendible)
- Services at fixed hourly rates
- We replace by current market value in the case of claims settlements

Lifelong benefits

A Fendt customer for life. This starts when you buy your Variotronic machine and simply continues throughout your machine's service life, as we make newly developed functions available to existing machines of current and older model years (provided their hardware is compatible) rather than restrict them to future models. Operational safety, impact and ease of use never lose their importance. You can lock in maximum performance capacity and proactive value retention.

From update to upgrade

Fendt Variotronic keeps you at the cutting edge of technology, even years after purchase. You can even add functions after purchase. How is that possible? Using unique software updates with new add-on features, which Fendt provides up to twice a year free of charge. The easiest way is to have your sales partner update your Variotronic during its service (subject to labour costs). This safeguards the technological progress and value retention of your Fendt machine and keeps your investment as fresh as it was on day one.



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

FENDT SERVICES

Rest assured that your machine will be ready for action tomorrow.



100% quality, 100% service Fendt Services
To ensure that your Fendt 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 harvesting season. The Fendt service network also guarantees fast lines of communication between you and our trained service employees. Fendt original parts and their fitment come with a 12-month warranty. Repairs using original parts ensures your Fendt tractor retains its value.

Performance and profitability under contract
The Fendt Service packages give you complete cost control with exceptional service. The packages cover all specified maintenance work, based on attractive fixed rates. The various Fendt Care levels include regular maintenance and servicing combined with an extended warranty for up to 8,000 operating hours or 8 years in total. From a service agreement to the full package including replacement machine, Fendt has a flexible and tailored solution for your fleet.

Individual finance and rental models
Investing in technology means a considerable capital outlay. A credit finance agreement from AGCO Finance offers attractive conditions and flexible terms. From the initial down payment to monthly instalments to the payment term – you set the general terms on which to finance your Fendt. If you need additional capacity in a hurry or want to use tractors over a long-term period without purchasing them, your Fendt dealer can offer the ideal solution with tailored rental packages. These packages help you adapt your fleet to your current workload.

Fendt Expert operator training
Fendt brings you not only the latest technology, but also helps you get maximum value from your vehicle. With the help of the exclusive operator training programme, you can optimise the efficiency of your Fendt even further, and get to know all the functions which make your daily routine that much easier. Our team of professional trainers will advise you on how to use the full potential of your Fendt vehicle.



Max. hours	8,000
Max. years	1 + 7
Cover (except wear)	Full cover

Fendt has set new extended warranty premiums to offer an even more comprehensive product to cover the reliability and repair risk of new machines.



Using the smartphone “AGCO Parts Books to go”, you can find Fendt spare parts quickly and easily and order them directly. The app is available for download in the app store or in Google Play Store. Your personal access data is available from your Fendt dealer.



Your Fendt dealers are always there when you need them, and have just one aim – to make sure your Fendt machines are ready for action at any time. If something does go wrong during harvest time, simply call your certified service centre 24/7 on the emergency hotline.

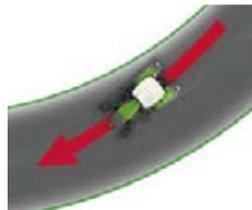
Fendt Care packages	Bronze	Silver	Gold	Platinum ¹
Coverage	Regular maintenance, fixed maintenance costs	Cover against repair risk (except wear and tear)	All costs covered (except wear and tear)	Covers all costs and guarantees availability (except wear and tear)
Machine type	All	All	Wheeled tractors	Wheeled tractors
Regular maintenance	✓	✓	✓	✓
Repair risk		✓	✓	✓
Excess		Optional excess: €0, €190, €490	€0	€0
Travel Rates			✓	✓
Recovery and towing			✓	✓
Vehicle diagnostics			✓	✓
Fitting of exhaust brake			✓	✓
Oil, filters for engine and gearbox repair			✓	✓
After hours and weekend surcharge				✓
Replacement machine				✓

In order to keep your machine ready for action at any time, we offer a tailored maintenance and repair service beyond the statutory warranty. Fendt ProService offers you flexible policy periods depending on the machine type, and flexible premiums with and without excess. This gives you complete cost control, planning certainty and retains the value of your machine.

¹ Valid in Germany, Great Britain and France. Platinum only available at participating dealers.

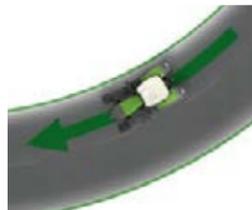
DRIVING DYNAMICS WITH SAFETY AND COMFORT

Can do it faster.
Does more.



Cornering without FSC

Maximum on-road and in-field driving safety
With the unique Fendt Stability Control FSC you always feel safe 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, offers 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.



Cornering with FSC

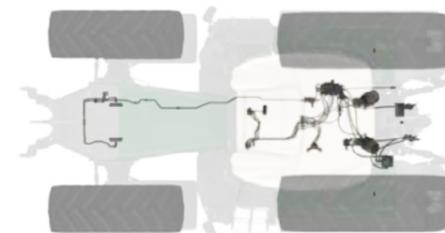
Safe and secure
Speed is a must for transport work – exactly the right thing for the new Fendt 900 Vario. It is optionally available with a top speed of 40, 50 or 60 km/h. And with this high-horsepower tractor, you will reach your destination safely: equipped with the latest safety systems for tractors, 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.



The hydropneumatic independent wheel suspension is fitted with a double wishbone axle, so each wheel is suspended individually, which ensures maximum tractive power with maximum ease. 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.



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.

Compared to the standard setting, with VarioActive you need 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.

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 electrohydraulic double-acting valves at the rear plus two in the front, power beyond, ISOBUS coupling 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.

Versatile coupling system

The Fendt 900 Vario delivers a high hydraulic capacity of 152 l/min and 140 l/min from the basic equipment package up. With the flexible coupling housing you can work with different coupling sizes: 1/2", 3/4" and 5/8" FFC (Flat Face Coupling). The fourth control unit in combination with 3/4" and 5/8" FFC couplings, can be supplied with a flow volume of up to 170 l/min. It's easy to couple all the hydraulics links, and on the DCUP model version you can do it from either side and under pressure. The separate hydraulics and transmission oil supplies means the 900 Vario will be compatible for use with bio-oil in the hydraulic circuit.

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 in the front.

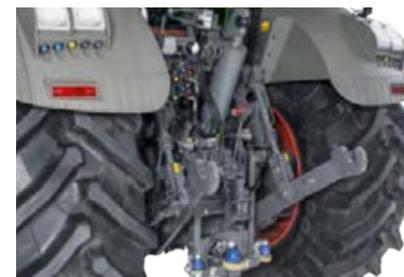
You can opt to have the replaceable couplings screwed into the block and quickly replaced depending on the attachment you want to use.



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 mudguard. 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.

FENDT X5 CAB



□ Numerous sockets are available in the cab, e.g. several 12-Volt sockets, ISOBUS socket, signal socket.



□ 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.



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.



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

Control elements for auxiliary hydraulic control units 5 – 8

Hand throttle

Linkage 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, independent wheel suspension on front axle, PTO speed selection, automated functions for linkage and PTO as well as ABS Offroad Mode



■ In a Fendt cab you will find many different stowage 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.



■ 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.



□ The air-sprung super comfort seat Evolution active Dualmotion is our ultimate high-tech seat model. 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 comfort passenger seat with backrest and safety belt offers passengers safety and comfort for long work days.



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



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



□ 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.

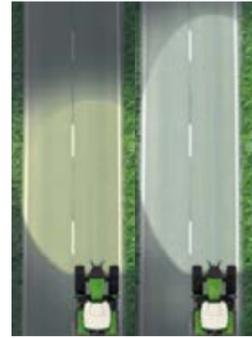


□ A bracket keeps mobile phones their own fixed spot. The bracket can be adjusted to accommodate various phone models.



■ 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



■ 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 LED lights are especially low in power consumption, have a very long life and deliver a total luminous flux of up to 49,900 lumen.

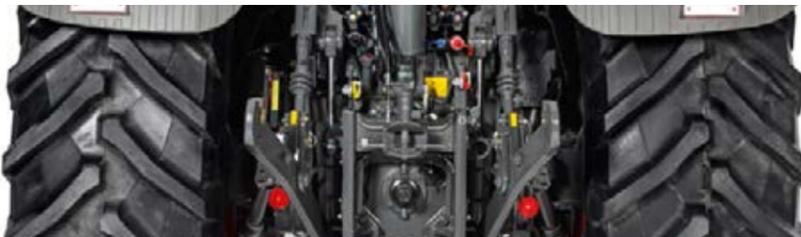
□ The light range of the LED headlights can be adapted to the situation at hand, for example for driving on the road. Furthermore, the LED lights save power and have a long lifetime.



■ The interior lighting is perfectly designed for the key areas you are working on. Whether day or night, the most important operating elements are pleasantly backlit. The intensity of the lighting is automatically controlled 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, you can turn on all the work lights at once at the press of a button on the keypad.



Interfaces at the rear include

- 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
- Bottom hitch



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)

FENDT 900 VARIO

Equipment variants.

	Power	PowerPlus	Profi	ProfiPlus
Engine				
Reversible fan	□	□	□	□
Fuel pre-filter (heated)	□	□	□	□
Preheater unit (engine, transmission, hydraulic oil)	□	□	□	□
Exhaust brake	□	□	□	□

	Power	PowerPlus	Profi	ProfiPlus
Transmission				
Shuttle function, stop-and-go function	■	■	■	■
Acoustic signal when reversing	□	□	□	□

	Power	PowerPlus	Profi	ProfiPlus
Vario operation				
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™ - 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				□
SectionControl				□
VariableRateControl				□
Electronic immobiliser	■	■	■	■
Without immobiliser	□	□	□	□

	Power	PowerPlus	Profi	ProfiPlus
Cab				
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	□	□	□	□
Comfort instructor seat	□	□	□	□
Integrated automatic climate control	■	■	■	■
Front windscreen laminated safety glass, heated	□	□	□	□
Rear window heated	□	□	□	□
300°-front windscreen wipers (with continuous windscreen)	■	■	■	■
Rear window wash/wipe	□	□	□	□
Radio CD MP3	□	□	□	□
Radio CD MP3 hands-free speaking system	□	□	□	□
EC tachograph standard	□	□	□	□
Fendt Reaction steering system	■	■	■	■
Radar sensor	□	□	□	□
Reverse drive control	□	□	□	□
Cool box	□	□	□	□

	Power	PowerPlus	Profi	ProfiPlus
Chassis				
FSC Fendt Stability Control	□	□	□	□
Single wheel suspension front axle	■	■	■	■
Automatic trailer steering axle lock	□	□	□	□
Compressed air Duomatic coupling	□	□	□	□
VarioGrip tyre pressure regulation system	□	□	□	□

	Power	PowerPlus	Profi	ProfiPlus
4WD				
Rear / front differential with 100% disc locking and steering angle sensors	■	■	■	■

	Power	PowerPlus	Profi	ProfiPlus
Power lift				
Tractive power and stepless mixed control	■	■	■	■
Clearance, position control	■	■	■	■
Sa front power lift, with external control (separate valve)	□	□	□	□
Comfort front power lift da, with position control and relief control, external controls			□	□
Electrohydraulic power lift da (EHR), with external controls	□	□	□	□
Lower link tail arrester cat. 4	□	□	□	□

	Power	PowerPlus	Profi	ProfiPlus
PTO				
External controls for rear PTO	■	■	■	■

	Power	PowerPlus	Profi	ProfiPlus
Hydraulics				
External control for hydraulic control unit at rear	■	■	■	■
Hydraulic power beyond connection	□	□	□	□
Return rear	■	■	■	■
Unpressurised rear return flow	□	□	□	□
FFC flat-gasket rear hydraulic couplings			□	□
Double connect-under-pressure lever couplings rear	□	□	□	□
CUP coupling rear	■	■	■	■
Bio hydraulic oil	□	□	□	□

	Power	PowerPlus	Profi	ProfiPlus
Additional equipment				
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	□	□	□	□
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	□	□	□	□

FENDT 900 VARIO

Technical Specifications.



		927 Vario	930 Vario	933 Vario	936 Vario	939 Vario
Engine						
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
Max. torque at 1500 rpm	Nm	1160	1278	1380	1515	1565
Fuel level	litres	600.0	600.0	600.0	600.0	600.0
AdBlue tank	litres	36.0	36.0	36.0	36.0	36.0

		927 Vario	930 Vario	933 Vario	936 Vario	939 Vario
Transmission and PTO						
Transmission type		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

		927 Vario	930 Vario	933 Vario	936 Vario	939 Vario
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

		927 Vario	930 Vario	933 Vario	936 Vario	939 Vario
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

		927 Vario	930 Vario	933 Vario	936 Vario	939 Vario
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

		927 Vario	930 Vario	933 Vario	936 Vario	939 Vario
Weights						
Unladen weight (base tractor with cab - full tanks, without driver)	kg	10830.0	10830.0	10830.0	10900.0	10900.0
Max. permissible overall weight up to 40km/h (2-circuit brake)	kg	18000.0	18000.0	18000.0	18000.0	18000.0
Max. permissible overall weight up to 50km/h (2-circuit brake)	kg	18000.0	18000.0	18000.0	18000.0	18000.0
Max. permissible overall weight up to 60km/h	kg	16000.0	16000.0	16000.0	16000.0	16000.0
Max. trailer hitch load	kg	2000.0	2000.0	2000.0	2000.0	2000.0

FAQS. EVERYTHING ABOUT FENDT.

What can we do for you?

What makes Fendt Services 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?

Just one terminal means: Whether vehicle control, ISOBUS implement control, automated guidance via VarioGuide, documentation with VarioDoc, camera functions or various help functions – at Fendt everything is done easily using a terminal, the Fendt Varioterminal. Only one terminal also means that at Fendt, control is consistent and logical. Regardless of whether you drive a Fendt Vario, Fendt combine harvester or a Fendt Katana, you will see that you'll find your way around immediately and will feel at home on all Fendt machines.

How do I get a Variotronic^{TI} update?

Fendt Variotronic^{TI} can be updated, so that you always have the latest technology in your Fendt and the future on your terminal. Contact your Fendt dealer for details.

What is Fendt Expert?

Become a Vario professional with the Fendt Expert operator training: Are you already familiar with all the functions that the technology has to offer? Take advantage of the technology in every Fendt Vario and learn how to make best use of every feature, with Fendt Expert. Our team of professional trainers will advise you on how to use the full potential of your Fendt tractor. Contact your dealer for details and register today.

What is FuseTM?

FuseTM Technologies provides ultra-modern precision solutions for agriculture 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.

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