

# FENDT

## Fendt 800 Vario





## Superior. To the last detail.

The Fendt 800 Vario is the popular high-horsepower tractor that scores high in compactness, flexibility and performance. With up to 287 hp, it is not only powerful in the field, but also outstanding for transport work. It is also superior down to the last detail, with smart and efficiency-enhancing technologies, such as the tyre pressure regulation system VarioGrip, automated steering and much more.



## Superior speed. Effortlessly.

Engine		822 Vario	824 Vario	826 Vario	828 Vario
Rated power ECE R 120	kW/hp	166/226	181/246	195/265	211/287

Large-scale farms that are looking for flexible solutions for field and transport work, clearly choose the 800 Vario. In Western Europe, over a third of all 200-hp tractors and above are Fendt Varios. No other manufacturer has such a strong position in this power segment. And that is no coincidence, because Fendt offers professional complete solutions for professional customers.

### Efficiency in motion

Dynamic, lively and with a straightforward design, the Fendt 800 Vario excels on the road and in the field.

- Integrated Fendt VarioGrip tyre pressure regulation system
- TMS with automatic maximum load system 2.0
- 9.5 t unladen weight and a permissible overall weight of up to 16 t
- High payload of up to 6.5 t
- x5 cab with 3.5 m<sup>3</sup> of air space and a panoramic windscreen
- VariableRateControl (VRC)
- Automatic SectionControl
- Automatic radiator cleaning with reversible fan
- Latest-generation LED headlight design



### Efficiency-tested

Fendt stands for efficiency and low fuel consumption. The best proof for that is the practical DLG PowerMix test. According to the DLG PowerMix test, with a result of 248 g/kWh diesel and 14.1 g/kWh AdBlue consumption\*, the 828 Vario is one of the most economical high-horsepower tractors that has ever been tested.

\* Results for the Fendt 828 Vario according to DLG PowerMix for the class 178 kW/240 hp to 220 kW/300 hp published in profi magazine (12/2014)

Superior performance.  
Perfection in detail.

AN INTEGRAL APPROACH THROUGH EXPERIENCE

## Superior traction.

### Integrated enhanced performance

Fundamental innovations have found their way into the Fendt 800 Vario, to improve its efficiency even further. Lively handling up to 60 km/h through greater dynamics, higher torque and improved power availability. At the same time, smart solutions, such as the tractor management system TMS, ensure low consumption of both fuel and AdBlue. The VarioGrip tyre pressure regulation system provides efficiency that is transferred directly to the ground.

### Integrated Fendt VarioGrip tyre pressure regulation system

The benefits of optimum tyre pressure are clear: According to neutral tests, the ideal tyre pressure saves up to 8% fuel and increases area coverage by up to 8%.\* Tractive power can also be increased by up to 10%.\* Furthermore, it reduces soil compaction and therefore keeps yield losses at a minimum. When driving on the road, a higher air pressure ensures more stable handling and also lowers roll resistance, which reduces fuel consumption and tyre wear. VarioGrip can be automated with the Variotronic<sup>II</sup> headland management system.

\* South Westphalia University of Applied Sciences, Agriculture Soest

### Lightweight with high payload

Whether you are using your Fendt 800 Vario primarily for arable farming, transport or specialist work – you can always use a low unladen weight of just 9.5 t. On the one hand, you have high payload reserves of up to 6.5 t and on the other, there is no need to transport unnecessary weight. A tailor-made ballast concept is ideal for heavy draft work.

### Pulling power through self-levelling front axle suspension

The alignment of the front axle suspension of the Fendt 800 Vario has been optimised for heavy traction work. This enables a 7% higher transfer of traction than an axle without suspension, as the wheels adapt themselves perfectly to the ground, preventing inefficient power-hopping.

The integrated tyre pressure regulation system VarioGrip adapts the tyre pressure from 0.6 to 2.5 bar within the shortest amount time – even while driving. This happens on all four wheels with the integral radial rotary feed-through, 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.



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 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.

ENGINE AND EXHAUST TECHNOLOGY

# Superior performance. Perfection in detail.

**More dynamics and more stable speeds thanks to twin turbocharger**

With up to 287 hp maximum power, the Fendt 800 Vario delivers high performance. The six-cylinder Deutz engine, featuring a common rail high-pressure injection system and a 6.06 litre cubic capacity, provides liveliness and dynamics. A high injection pressure of 2,000 bar ensures fine atomisation and therefore the best combustion in the engine.

**Fuel efficiency thanks to low rated speed**

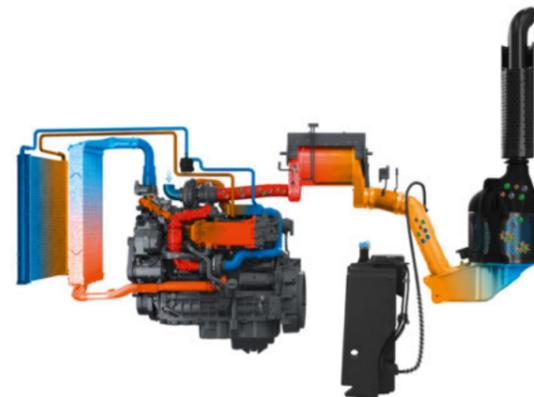
The engine performance allows the rated speed to be reduced to 2,100 rpm. This not only further improves fuel efficiency, but also provides for a pleasantly low noise level.

**Can do more with twin intercooler**

The air that has been pre-compressed in the 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.

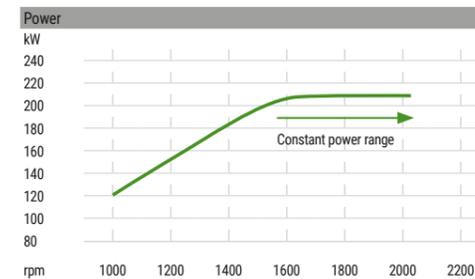
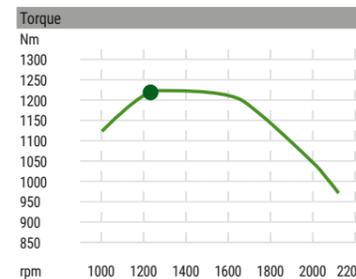
**Optimal solution for emissions Stage V**

The smart solution for compliance with the new Stage V emissions standard is decisive for the economy of the drive train. That is why Fendt has equipped the engine with an exhaust after-treatment that enables the lowest fuel and AdBlue consumption. Exhaust after-treatment is a combination of SCR technology, the passive diesel particulate filter and the external 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 828 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.

SUPERIOR TRANSMISSION TECHNOLOGY

# Steplessly efficient. Fendt Vario transmission.

### Continuously variable Vario transmission ML 220

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. With separate transmission and hydraulic oil supplies, dirt cannot enter the transmission oil.

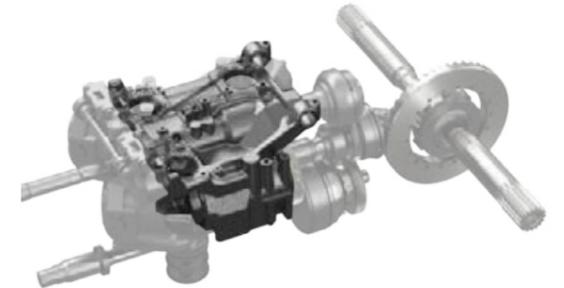
### Perfect settings and driving strategies

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



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 Fendt 800 Vario offers you a workplace with plenty of free space. From the driver seat, you can control all working procedures with the Variotronic and always have everything in view. Automated functions keep your performance and concentration at a high level over the entire work day.

### 3.5 m<sup>3</sup> 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 front windscreen of the Fendt 800 Vario is 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 mechanical three-point cab suspension reduces vibrations to a minimum and provides maximum ride comfort. The absolute highlight in ride comfort results from the combination of front axle suspension and pneumatic cab suspension along with active suspension on the driver seat. 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.



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 an unobstructed view over the entire front of the tractor and into the wheel arches.

SMART SOLUTIONS IN THE FENDT 800 VARIO

# Varioterminal and implement control.

### Flat menu hierarchy and everything in view

The Varioterminal has plenty of built-in features. Thanks to the flat menu hierarchy and the clutter-free display, operators can learn to use it quickly for a constant overview. 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.

### Varioterminal 7"

The Varioterminal 7" with LED backlighting brings all the tractor and implement functions together 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. Simply touch the corresponding menu item directly on the touchscreen or click a key. The LCD display in smartphone look has a sharp resolution of 480 x 800 pixels and brilliant colours. It is extremely scratch-proof and easy to clean.

### 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 an ultra sharp image, even in night mode. Touch operation reacts sensitively and quickly. Key operation is also available.

### Perfect for all operations

The ISOBUS interface is the decisive link to the implements. Variotronic 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. The Fendt 800 Vario can come equipped with the Variotronic TIM functionality ready-installed. This means that a TIM-enabled implement automatically controls certain functions of the tractor. This includes for example the forward speed and a hydraulic valve on a TIM-enabled baler.

The Varioterminal 10.4" excels 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 functions for the ISOBUS implement control and headland management can be assigned to the multifunction lever as needed. In combination with the VarioGuide automated steering system, Variotronic<sup>TI</sup> automatic lets you automatically activate headland sequences.



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



With the Variotronic<sup>TI</sup> headland management system, drivers can create and store operating sequences for turns, even on the move. In the headland management system, you can make and easily view settings for the engine and transmission control, the hydraulic valves and the front and rear linkage, the front and rear PTO as well as the automated steering system and tyre pressure regulation system, along with their individual functions.

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<sup>TI</sup> headland management.

# 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. 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 accurate to 2 cm (VarioGuide RTK).

### Uniquely flexible receiver selection

With Fendt VarioGuide, there are now two different receiver systems available, NovAtel® and Trimble®. The VarioGuide steering system ensures optimum work results and maximum comfort. With the NovAtel receiver, you are always on the right track with the SBAS, TerraStar-L & C and RTK correction signals. 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 at up to 36 section widths. 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.



The ISOBUS implement control 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.



Your benefits: Your Fendt software is updated during servicing in the workshop, including new, additional features.

## 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.

### Documentation in realtime: 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. 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 and shown on the Varioterminal while you are working.

### 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.



**FUSE**<sup>®</sup>  
SMART FARMING. SYNCHRONIZED.

QUALITY STANDARD AND RETENTION OF VALUE

# Perfect outlook.

### 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? With unique software updates giving you new additional functions, which Fendt provides free of charge up to twice a year. The easiest way is to have your sales dealer update your Variotronic during its service (subject to labour costs). This ensures that your Fendt machine is technologically advanced, maintains its value and provides return on investment in the future, just like the day you bought it.

### 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.

### Upgrades and retrofits

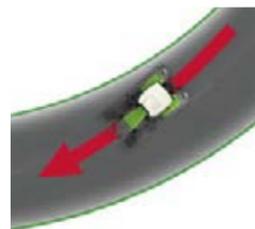
Would you now like to benefit from certain features that you chose not to buy at the time? Well, it's a good job you chose a Fendt with Variotronic! Whether VariableRateControl, SectionControl, the Variotronic<sup>TI</sup> automated headland management or VarioDoc Pro – you can upgrade to all of these features! This ensures maximum performance capacity and proactive value retention.



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

DRIVING DYNAMICS WITH SAFETY AND COMFORT

# Fast, versatile – superior.



Cornering without FSC

**Maximum on-road and in-field driving safety**  
The chassis guarantees optimum operability on the road and in the field. With the unique Fendt Stability Control FSC you always have a safe feeling when driving, even when negotiating curves. At the same time, the practically maintenance-free braking system, comprising wet disc brakes on the cardan shaft and the rear wheels, increases driving safety. The chassis design provides the best ride comfort as well as optimum ergonomics.



Cornering with FSC

**Nine features for an exceptional driving sensation:**

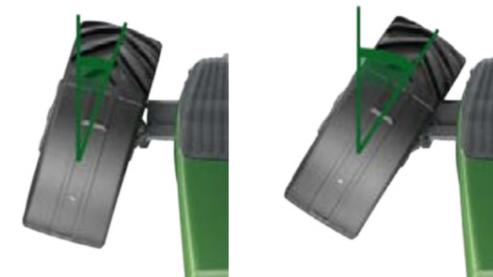
- Self-levelling front axle suspension
- Fendt Stability Control (FSC)
- Fendt Reaction steering system
- VarioActive superimposed steering system
- Shock load stabilising
- Cab suspension
- Seat suspension
- Automatic steering axle lock
- Smart brake light control

**Haul 37 tonnes more a day**

The Fendt 800 Vario has a top speed of 60 km/h at an engine speed at just 1,750 rpm, which gives it up to 16% higher transport capacity\* and lower fuel consumption. Those are advantages that make the difference at the end of the day: for example, a Fendt 800 Vario with a transport capacity of a total of 230 tonnes in 10 hours moves 37 tonnes more thanks to the higher speed. And when the Fendt 800 Vario is driven at 50 km/h and an engine speed of 1,450 rpm, it saves even more fuel.

\* in-house measurement

The Fendt 800 Vario has a self-levelling front axle suspension as standard. It has a 120-mm suspension travel to allow for uneven surfaces. The +/- 8° swing angle ensures stability while driving. The 50° maximum steering angle on the front axle guarantees maximum manoeuvrability. The entire suspension travel can be run through manually when standing still, e.g. for picking up a front weight without front linkage.



Without VarioActive  
1 turn  
= 23.6°

With VarioActive  
1 turn  
= 40.3°

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 safety reasons, it can only be used from 0 to 25 km/h.

MOUNTING AREAS AT THE FRONT AND REAR

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



**Versatility through connections**

The Fendt 800 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 800 Vario has more than 24 connections, which are helpfully 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 linkage, which has a maximum lift capacity of 11,110 daN, guarantees that even heavy rear-mounted implements for this power class can be lifted to the fullest height without any trouble. A maximum lift capacity of up to 5,040 daN at the front permits the use of heavy front-mounted implements. The cast front linkage is integrated in the structure of the tractor so that the coupling points are close to the vehicle.

**Powerful hydraulic system**

With its load-sensing technology, the Fendt 800 Vario is well-equipped for demanding work. Depending on the area of application, you can equip the Fendt 800 Vario with a load-sensing pump with a delivery capacity of 152 or 205 litres per minute. The separate hydraulics and transmission oil supplies means the 800 Vario will be compatible for use with bio-oil in the hydraulic circuit. With up to 80 litres, the Fendt 800 Vario has a high volume of available oil that can meet the demands every implement, no matter how high its oil requirements.

**PTOs with economy function**

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

**Interfaces at the rear include:**

Signal socket, ISOBUS connection, hydraulic top link, Duomatic coupling, six double-acting control valves, overflow oil line, unpressurised rear return, pneumatic brake, power beyond control line, power beyond pressure line, hydraulic trailer brake, 7-pin trailer socket, lower link arresters, trailer hitch, rear PTO, bottom hitch

**Interfaces at the front:**

Top link, two double-acting control valves, unpressurised front return, 7-pin trailer socket, front PTO, bottom link arrester, bracket for relief springs (not shown)



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

The comfort front linkage on the Fendt 800 Vario has optional load relief control. It allows the weight of the implement to be transferred to the tractor over a defined pressure. This is especially advantageous when working with a front mower or winter maintenance implements, because the weight is shifted to the front axle, which improves steering performance.



FENDT 800 VARIO

# Fendt x5 cab.



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



The Fendt 800 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 to 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<sup>®</sup>, speed range selection, 4WD and differential lock engagement, front axle suspension, PTO speed selection, automated functions for linkage and PTO as well as ABS Offroad Mode.



□ 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.



■ 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.



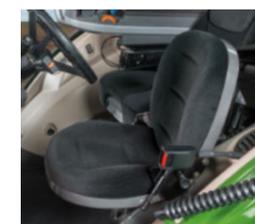
□ At Fendt, the cab windows are bonded, not clamped. This not only improves the operator's field of vision; it is primarily to prevent squeaking noises and leaking. It is also heated.



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



□ 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 super comfort seat features air suspension with easy armrest adjustment.

□ 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.



■ 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.

FENDT 800 VARIO

# Lighting.



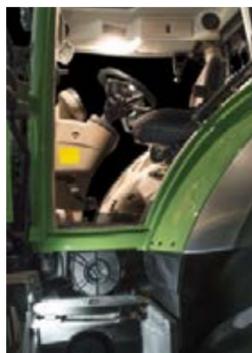
State-of-the-art lighting: The 360° lighting design concept on the Fendt 800 Vario has been perfected and is state-of-the-art. The dipped and main beams have the latest Bi-LED lamps with headlamp levelling. The work lights and corner lights are also fitted with LED lamps. This permits precise control 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.



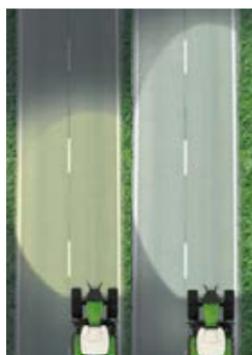
■ The lighting is easily set and adjusted thanks to its straightforward layout. With the one-button system, you can turn on all the work lights at once at the press of a button on the keypad.



■ The interior lighting in the Fendt 800 Vario 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 backlighting is automatically controlled in the Varioterminal via a light sensor, dependent on the light conditions.



■ Get back home safely: The integrated coming home light permits operators to climb down from the tractor safely, even in the dark. The headlights continue to shine a while longer after the tractor is switched off. The entry steps on the Fendt 800 Vario have practical lights. They are positioned on the tank so that the steps are perfectly illuminated and drivers can climb in and out safely.



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

FENDT 800 VARIO

# Hydraulics and driving comfort.



■ With the external controls, you can actuate the rear power lift, one valve and the PTO on the rear mudguard itself. Using the external controls for the rear PTO, a preset engine speed can be targeted automatically. You save yourself unnecessary steps, for example, when filling the slurry tank.



□ The double-sided DCUP (dual couple-under-pressure) couplings make mounting and removing the implements much easier. The self-closing valve flaps effectively protect against contamination and permit one-handed connection of a hydraulic line.



□ The Fendt 800 Vario is ideal for reverse drive operations, as you can turn the entire operator platform by 180°.



FENDT SERVICES

The best product with the best care and service.

Fendt provides you with a high-tech product for even the toughest challenges. That's why you can expect that little bit extra when it comes to services from highly-efficient, certified Fendt dealers:

- Fast lines of communication between you and our trained service team.
- 24/7 availability of replacement parts throughout the season
- 12-month warranty on Fendt original parts and their fitting

**100% quality. 100% service: Fendt Services**  
We offer outstanding services to offer you the best possible reliability of use and efficiency from your Fendt Machine:

- Fendt Demo service
- Fendt Expert operator training
- AGCO Finance – finance and lease deals
- Fendt Care – servicing and guarantee extensions
- Fendt Certified - Pre-owned machine programme



+44 330 123 9909

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 SERVICES

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

**Fendt Demo service**

Is this a new purchase? You'll love our Fendt solutions and overall efficiency. Let the Fendt Demo service make the decision easier.

**Fendt Expert operator training**

We help you get the most out of your vehicle. With the help of our exclusive Fendt Expert operator training programme, you can optimise the efficiency of your Fendt even further, and get to know all the functions to make your daily routine that much easier. Our team of professional trainers will advise you on how to use your Fendt machine to its full potential.

**Individual finance and lease 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 and full payment – you set the general finance terms for your Fendt. If you need additional resources 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 lease packages.

**Fendt Certified - Pre-owned machine programme**

Leaders drive Fendt – even if it's pre-loved machinery. Used agricultural machinery to tried and tested high-quality standards and certified Fendt quality – the ideal solution for cost-conscious farmers or as an addition to a growing fleet.

The benefits:

- Certification according to strict quality standards
- Extensive incoming check (technology, wear, appearance)
- Fully serviced wear parts
- If required, replace, clean and paint components
- One-year warranty (option to extend)

**Fendt Care – servicing and guarantee extensions**

In order to keep your machine ready for action at any time, we offer a tailored maintenance and repair service beyond the statutory warranty, which only covers the repair risk of a new machine in the first 12 months after handover. That's where Fendt Care comes in. With flexible durations and flexible rates with and without excess, the machine can be guaranteed even after the first year.

Your Fendt dealer will only install Fendt original parts. These have a proven standard of quality and are safety-tested. This ensures the best value retention for your Fendt machine.

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 and in the Google Play Store. Your personal access data is available from your Fendt dealer.



## Full control over costs and planning reliability

Fendt Care	Bronze	Silver			Gold <sup>1</sup>	Platinum <sup>1</sup>
Service	Regular maintenance, fixed maintenance costs	Protect yourself from the risk of repair (excludes wear)			All costs covered (except wear and tear)	Costs and availability covered (except wear and tear)
Benefit	Reliability of use	Coverage against major claims	Full coverage under great conditions	Full protection while you keep costs under control	Protect against all unexpected repair risks including all secondary costs	For customers who cannot afford any downtime
Regular maintenance	✓	✓	✓	✓	✓	✓
Repair costs		✓	✓	✓	✓	✓
Excess		€490	€190	€0	€0	€0
Travel costs, recovery/towing, troubleshooting with added diagnostics tools, performance testing, oils and filters, if engine/gearbox is repaired					✓	✓
After hours and weekend surcharge						✓
Replacement machine						✓

<sup>1</sup> Valid for Germany, UK and France. Platinum only available at participating dealers.



8 years / 8,000 operating hours

With our new Fendt Care rates, Fendt offers extensive coverage for the reliability and repair risk of new machines. Fendt Care gives you complete cost control with exceptional service. From a service agreement to the full carefree package including replacement machine, Fendt has a flexible and tailored solution for your fleet.

# Quick and simple servicing.



A swing-up bonnet and easily removable side panels provide excellent access to the engine compartment.



The air filter is quick and easy to take out.



and easily access the radiator when it needs cleaning.



The cab filter is easily accessible in the door area and can be easily cleaned when necessary.

# Fendt extras.



Fendt extras are a great addition to your Fendt machine. Choose from an extensive range of products including lubricants, AdBlue, care kits, cab accessories and much more. All extras are available for purchase exclusively from your Fendt dealer.



# 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.

### How do I get a software update?

Fendt software is update-compatible, so your Fendt always features the latest technology. This ensures that your Fendt machine is technologically advanced, maintains its value and provides return on investment in the future, just like the day you bought it. Contact your Fendt dealer for details.

### What is Fendt Expert?

Become an expert on the Vario Profi with Fendt Expert driver training: Do you know all about the functions at your disposal? 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.

### fendt.com

Find everything online – from brochures to technical specifications, from reports about customers or our company to our Fendt event calendar.

### 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](http://www.fendt.com), where you will find a quick link to it directly on the start page.

### fendt.tv

24/7 Fendt – You can, with our multimedia solutions. Our internet TV provides you with news and information about Fendt 24/7.

### Test drives

Go to [fendt.com](http://fendt.com) and select "Fendt Services" on the "Service" page, select the "Demo Service", then register for a test drive with the tractor of your choice.



Standard and optional equipment  
 Standard: ■  
 Optional: □

FENDT 800 VARIO

# Equipment variants.

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

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

	Power	PowerPlus	Profi	ProfiPlus
<b>Vario operation</b>				
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 <sup>TM</sup> - Headland Management 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
<b>Cab</b>				
Active charcoal filter	□	□	□	□
Mechanical cab suspension	■	■	■	■
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	□	□	□	□
Roller shade rear	□	□	□	□
300°-front windscreen wipers (with continuous windscreen)	■	■	■	■
Rear window wash/wipe	□	□	□	□
Radio mounting kit with two stereo speakers	■	■	■	■
Radio CD MP3	□	□	□	□
Radio CD MP3 hands-free speaking system	□	□	□	□
EC tachograph	□	□	□	□
Fendt Reaction steering system	■	■	■	■
Radar sensor	□	□	□	□
Reverse drive control	□	□	□	□
Cool box	□	□	□	□

	Power	PowerPlus	Profi	ProfiPlus
<b>Chassis</b>				
FSC Fendt Stability Control	□	□	□	□
Front axle suspension, +/- 60 mm suspension travel	■	■	■	■
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 Duomatic coupling	□	□	□	□
VarioGrip tyre pressure regulation system	□	□	□	□

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

	Power	PowerPlus	Profi	ProfiPlus
<b>Power lift</b>				
Sa front power lift, with external control (separate valve)	□	□	□	□
Comfort front power lift da, with position control, external controls			□	□
Comfort front power lift da, with position control and relief control, external controls			□	□
Hydraulic lower link lateral stabiliser	□	□	□	□
Lower link tail arrester cat. 4	□	□	□	□

	Power	PowerPlus	Profi	ProfiPlus
<b>PTO</b>				
Front: 1000 rpm	□	□	□	□
Rear: Flanged PTO 540E/1000 rpm	■	■	■	■
Rear: Flanged PTO 1000/1000E rpm	□	□	□	□

	Power	PowerPlus	Profi	ProfiPlus
<b>Hydraulics</b>				
EHS valve actuation crossgate lever, multi-function joystick			■	■
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)	□	□	□	□
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
<b>Additional equipment</b>				
Manual hitch	□	□	□	□
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	□	□	□	□
Pivoting front wheel mudguard	■	■	■	■
ABS trailer sockets	□	□	□	□

FENDT 800 VARIO

# Technical specifications.



		822 Vario	824 Vario	826 Vario	828 Vario
<b>Engine</b>					
Rated power ECE R 120	kW/hp	166/226	181/246	195/265	211/287
Maximum power ECE R 120	kW/hp	166/226	181/246	195/265	211/287
No. of cylinders	Number	6	6	6	6
Cylinder bore/stroke	mm	101/ 126	101/ 126	101/ 126	101/ 126
Cubic capacity	cm³	6057	6057	6057	6057
Rated speed	rpm	2100	2100	2100	2100
Max. torque at 1450 rpm	Nm	960	1054	1125	1217
Torque rise	%	32.0	31.0	31.0	30.0
Fuel level	litres	505.0	505.0	505.0	505.0
AdBlue tank	litres	50.0	50.0	50.0	50.0

		822 Vario	824 Vario	826 Vario	828 Vario
<b>Transmission and PTO</b>					
Transmission type		ML 220	ML 220	ML 220	ML 220
Speed range 1	km/h	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
Speed range 2	km/h	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
Top speed	km/h	60	60	60	60
Rear PTO		540E/ 1000	540E/ 1000	540E/ 1000	540E/ 1000
Rear PTO optional		1000/1000E	1000/1000E	1000/1000E	1000/1000E
Front PTO option		1000	1000	1000	1000

		822 Vario	824 Vario	826 Vario	828 Vario
<b>Power lift and hydraulics</b>					
Variable flow pump	l/min	152	152	152	152
Variable flow pump option 1	l/min	205	205	205	205
Working pressure / control pressure	bar	200+20	200+20	200+20	200+20
Max. valves (front/centre/rear) Power / Power Plus	Number	0/0/4	0/0/4	0/0/4	0/0/4
Max. valves (front/centre/rear) Profi / Profi Plus	Number	2/0/6	2/0/6	2/0/6	2/0/6
Max. available hydraulic oil volume	litres	80	80	80	80
Max. lift capacity of rear power lift	daN	11110	11110	11110	11110
Max. lift capacity of front power lift	daN	5040	5040	5040	5040

		822 Vario	824 Vario	826 Vario	828 Vario
<b>Tyres</b>					
Front tyres (standard)		540/65R30	540/65R30	540/65R34	540/65R34
Standard tyres rear		650/65R42	650/65R42	650/85R38	650/85R38
1. Optional front tyres		540/65R34	540/65R34	600/70R30	600/70R30
1. Optional rear tyres		650/85R38	650/85R38	710/70R42	710/70R42

		822 Vario	824 Vario	826 Vario	828 Vario
<b>Dimensions</b>					
Front track width (standard tyres)	mm	2000	2000	2000	2000
Rear track width (standard tyres)	mm	1970	1970	1970	1970
Overall width with standard tyres	mm	2750	2750	2750	2750
Overall length	mm	5667	5667	5667	5667
Overall cab height with standard tyres without VarioGuide	mm	3280	3280	3280	3280
Overall cab height with standard tyres with VarioGuide	mm	3314	3314	3314	3314
Max. ground clearance	mm	575	575	575	575
Wheelbase	mm	2950	2950	2950	2950

		822 Vario	824 Vario	826 Vario	828 Vario
<b>Weights</b>					
Unladen weight (base tractor with cab - full tanks, without driver)	kg	9370.0	9370.0	9520.0	9520.0
Max. permissible overall weight up to 40km/h (2-circuit brake)	kg	16000.0	16000.0	16000.0	16000.0
Max. permissible overall weight up to 50km/h (2-circuit brake)	kg	16000.0	16000.0	16000.0	16000.0
Max. permissible overall weight up to 60km/h	kg	14000.0	14000.0	14000.0	14000.0
Max. trailer hitch load	kg	2000.0	2000.0	2000.0	2000.0

# FENDT

It's Fendt. Because we understand Agriculture.



[www.fendt.com](http://www.fendt.com)

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