



The perfectionist.

Just being good is not enough. The perfect coordination of the tractor and operator is what produces successful results. To make your daily work a thing of perfection, we have brought together all of the best solutions in the new Fendt 700 Vario to build a perfected unit of power and manoeuvrability, precision, reliability, functionality and comfort. The most popular high-horsepower tractor, ranging from 145 – 240 hp, is your strong partner for all operations – from light-duty grassland operations, over dynamic transport, to heavyduty field operations.

Become a perfectionist. With the Fendt 700 Vario.

714 Vario	145 hp	107 kW	
716 Vario	165 hp	121 kW	
718 Vario	180 hp	132 kW	
720 Vario	200 hp	147 kW	
722 Vario	220 hp	162 kW	
724 Vario	240 hp	176 kW	

Maximum output to ECE R24



FENDT 724

DENDT

Perfected for every operation

The Fendt 700 unites function and efficiency. The new 4-speed rear PTO enhances versatility, while reducing fuel consumption. With the additional 1000E PTO speed, you can save fuel with a reduced engine speed – even for implements with a high speed demand, such as a rotary harrow, slurry pump, hay rake or manure spreader. Thanks to SCR technology with exhaust gas recirculation, the Fendt 700 Vario complies with emissions standard EURO Stage 4 / Tier 4 final and achieves high overall efficiency.



The right speed for every operation: With the additional PTO speed 1000E, you can work at a reduced engine speed and save fuel effectively.

FELLA



Fendt 700 Vario Power

Perfect for all operations

The Fendt 700 Vario offers the right features for the requirements. Choose the best solution for your needs from the equipment variants: Power, Profi or ProfiPlus. The 700 Vario Power offers a number of features that will make your everyday work easier. Equipped with a fourth PTO speed, 1000E, you save fuel when working with high speed requirements. The load relief control for the comfort front linkage moves the load from the implement to the tractor and offers better traction and more uniform implement guidance. Thanks

to the new front axle suspension with a 100-mm suspension travel, the chassis provides maximum comfort and stability as well as exceptional transmission of pulling power.

You can completely control the tractor using the clearly laid out Varioterminal 7" with touch and key operation.

Fendt 700 Vario Profi and ProfiPlus

Functionally perfect

The Fendt 700 Vario offers additional solutions in the Profi and ProfiPlus equipment levels that provide extra comfort and functionality for demanding working requirements. In combination with the Varioterminal 10.4-B, you get well-thought out, next-generation controls. The terminal convinces through its modern design, intuitive menu navigation and innovative solutions for the perfect coordination of all tractor functions.

directions.



• 4-speed rear PTO 1000E for lowering the engine

Varioterminal 7" with touch and key operation

· Leakage oil container integrated in rear and front

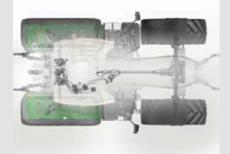
speed and saving fuel

linkage

More functions



More power



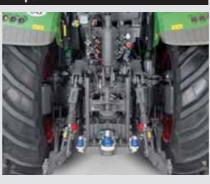
- Higher lift capacity of 10,360 daN
- 14 t perm. overall weight, 6,020 kg payload
- Comfort front power lift with load relief control
- Hydraulic system with load-sensing pump with 109 I/min as standard specification, 152 I/min as optional

More profitability



- Emissions standard EURO Stage 4 / Tier 4 final · Automatically drives in the most economical range with the TMS tractor management system
- Passive diesel particulate filter CSF (Coated Soot Filter)

More powe



- Hydraulic system with load-sensing pump with 152 l/min (standard) and optional with 193 l/min for more hydraulic power
- Automatic trailer steering axle lock





- 300° wiper for a larger wiper field
- LED headlamps with headlamp levelling
- New LCD Varioterminal 10.4-B in smartphone look and terminal bracket with ball joint



Not only the interior of the Fendt 700 Vario Profi and ProfiPlus boasts high-grade equipment, the exterior shines, too. The bright and economical LED lighting illuminates the surroundings in all





- Electric hydraulic filter monitoring
- VarioGuide (ProfiPlus) automated steering system and VarioGuide light (Profi) possible. VarioGuide reduces overlapping and saves fuel and operating materials.

Fendt Spotlights. Our special solutions.

A holistic approach.

The perfect tractor is more than just the sum of its parts. It is the perfect interplay of all the components that complement each other for an optimal result. That is what makes a tractor a Fendt.

Notably Fendt. Simply better in detail.

We have an eye on the whole. And optimise every detail for it. We develop solutions that make sure you can make more happen - easier, faster and simpler.

Look for the Fendt Spotlights! They show you what makes a Fendt special.

Fendt 700 Vario. The perfectionist.





Fendt Spotlights: This icon stands for notable solutions from Fendt. Solutions that help you every day, which we will explain to you in further detail.



Fendt Spotlights - exceptional solutions that illuminate the special features of a Fendt.

VisioPlus cab

Perfect view with 300 degree wiper for the Ð panoramic windscreen

High-grade LCD Varioterminal 10.4-B with touch and key operation in smartphone look, ball joint enables ideal setting

Four-speed rear PTO with the speeds 540/540E and 1000/1000E

(Coated Soot Filter): maintenance-free, saves fuel

Passive diesel particulate filter CSF

Engine and transmission

Mounting areas

Vehicle body

Two cruise control speeds can be directly selected on the joystick

14-tonne permissible overall weight with a → 14-tonne permissible over high payload of 6,020 kg

VarioActive superimposed steering system for fewer turns of the steering wheel

High-performance hydraulic system with load-sensing pump with a delivery capacity of 109 l/min, 152 l/min, or 193 l/min, depending on the equipment variant

The DCUP couplings permit the hydraulic valves to be coupled under pressure without risk of contamination, as well as easy and fast mounting and removing implements.

9



Perfect coordination

The engine and transmission of the Fendt 700 Vario form a perfect unit for a hightorque drive train with stepless driving pleasure. The tried and proven, powerful six-cylinder engine in the Fendt 700 Vario convinces through lively handling with high manoeuvrability and a maximum output of up to 240 hp. The new engine components increase durability and reduce fuel consumption. The further developed SCR exhaust technology complies with the requirements of emissions Stage 4 / Tier 4 final.

Perfect coordination for the best drive train

Engine diagram

Power and reliability

The tried and proven six-cylinder Deutz engine on Fendt 700 Vario delivers 110 hp to 138 hp with a top speed of 50 km/h. With a 6.1 litre cubic capacity, 4 valves per cylinder and common rail injections, the engine offers a high torque driving experience. The compact high-horsepower tractor is designed for maximum performance and load capacity. The engine and transmission are ideally coordinated, so that a high overall efficiency can be achieved.

Economical and environmentally friendly

Every litre counts. The Fendt 700 Vario is equipped with the SCR exhaust technology and is especially fuel-efficient and complies with the emissions standard EURO Stage 4 / Tier 4 final. The passive diesel particulate filter, which does not require additional injection of fuel into the exhaust line, also saves fuel. Despite a low rated speed of 2,100 rpm, the new Fendt 700 Vario delivers full performance in the field and on the road.

Perfect driving is stepless.

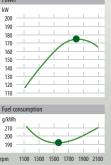
Because only with the stepless Fendt Vario transmission can you drive at the ideal speed for your work. You can drive from 0.02 km/h to a maximum speed of 50 km/h, exactly, without steps. And you can operate your tractor conveniently with the multifunction joystick. Reduced maintenance costs through longer transmission oil change intervals, every 2,000 hours, have an especially positive impact.

Go to the limit with full power Features, such as the automatic maximum output control, further reduce fuel consumption, since the engine is always running in the ideal speed range. The load limit, which is different for each operation, is regulated automatically. The limit no longer needs to be entered manually and the engine and transmission are always perfectly coordinated. In kick-down mode, the tractor accelerates swiftly and convinces through lively handling.

Engine characteristics – Fendt 724 Vario



1,058 Nm torque, 240 hp max. output at 1,800 rpm and a specific fuel consumption of 192 g/kW for the 724 Vario through implementation of the latest technoloay.



Maximum engine efficiencies are achieved through ideally coordinated components: turbocharger with water-cooled wastegate actuator, fuel pre-filter with thermostatic valve and air intake via a bonnet, which provides for a high air flow without requiring an intake pipe on the cab pillar.

The fuel consumption indicator not only monitors the current consumption, but also logs the consumption for different operations. Furthermore, it assists the operator in maintaining an efficient driving style.

The fuel pre-filter with thermostatic valve allows the tractor to start reliably, even when outside temperatures are very low. The radiator and filter are arranged for ease of maintenance



SCR (Selective Catalytic Reduction) for exhaust gas after-treatment

With SCR technology, exhaust is after-treated with AdBlue®, a 32.5 percent solution of urea, which converts nitrous oxides NO_into non-toxic nitrogen and water. The consumption of AdBlue, the standard urea-water solution used by commercial vehicles, lies at an average of seven percent of the diesel consumption. This can vary depending on the operation. AdBlue® is readily available at filling stations or through AGCO Parts.

AGRex external exhaust gas recirculation

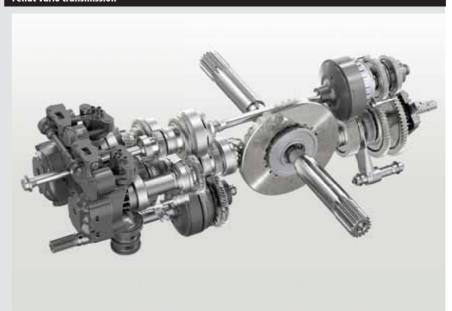
The external exhaust gas recirculation ensures that the nitrogen oxides NO_x are already reduced before they reach the exhaust line. That is more economical, because less AdBlue is required in the exhaust line to further reduce the nitrogen oxides.



Diesel particulate filter Coated Soot Filter (CSF)

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

Fendt Vario transmission



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

Easy access

Joystick / Peda



The driving mode can be selected individually: The speed can be controlled with either the pedal or the joystick.



The engine compartment is easy to access, even when the front loader mounting parts are attached. The one-piece bonnet with two separate side panels can be opened without tools.

Thanks to the TMS tractor management system and the automatic maximum output control, the tractor automatically adjusts the engine speed.

TMS / maximum output control



Cutting-edge engine and transmission technology

- Six-cylinder engine with 6.06 l cubic capacity and common rail injection: 240 hp maximum output at 1,800 rpm
- SCR technology for compliance with emissions standard EURO Stage 3b / Tier 4 final and excellent fuel efficiency
- Vario transmission for stepless driving from 0.02 to 50 km/h
- Tractor Management System TMS and automatic maximum output control are standard
- Optimum weight-power ratio of 33 kg/hp (724 Vario)
- Lockable engine bonnet
- Prefilter with thermostatic bypass valve



Many paths - one goal: arrive quickly and safely

The points for performance and comfort

The entire chassis of the Fendt 700 Vario has been perfectly designed for demanding operations and fast transport.

- Self-levelling front axle suspension with 100 mm suspension travel
- Pneumatic dual-circuit braking system with one-pedal or steering clutch brake
- TMS pedal mode with adjustment of deceleration through thrust detection
- Automatic trailer steering axle lock
- 100% differential locks for front and rear

Fast transport and high payload

A robust cast half frame, which enables a permissible gross weight of 14 tons, carries the load on the Fendt 700 Vario. With a high payload of 6,020 kg, the compact high-horsepower tractor has plenty of reserves for heavy implements. The self-levelling front axle suspension has a 100-mm suspension travel for optimum play. It provides comfort and safety with an especially direct transmission of pulling power, even with heavy loads.

Safe braking

High transport loads must be slowed down quickly in hazardous situations. The pneumatic dual-circuit braking system decelerates the tractor very effectively. The compressed air based braking system reacts very sensitively and precisely. The two-pedal brake has proven to be especially advantageous during transport with trailers. The TMS Tractor Management System increases driving stability through automatic thrust detection and intelligent deceleration.

Absolutely stable

The Fendt Reaction steering system guarantees optimal straight-ahead driving. After negotiating a curve, it returns the steering wheel back to its starting position faster. The automatic steering axle lock ensures stable straight-ahead driving with trailers. Operators do not need to lock the self-steering axle manually when certain speeds have been attained or when reversing.

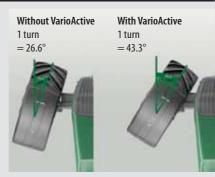
Comfort and safety



The design of the suspension on the 700 Vario enables maximum ride comfort in the field and on the road. The combination of front axle suspension, cab suspension and seat suspension, which provide a driving sensation on par with passenger cars, was adopted from the highhorsepower tractors.



Shock load stabilising prevents the tractor and implement from bouncing by actively counteracting movements using the hydraulics. It reduces pitching movements so you benefit from improved steering safety and higher ride comfort.



The VarioActive superimposed steering system allows a stronger steering ratio to be activated. It adapts itself to steering movements and driving speed and provides more comfort during front loader work, at the headlands or in tight farmvards.

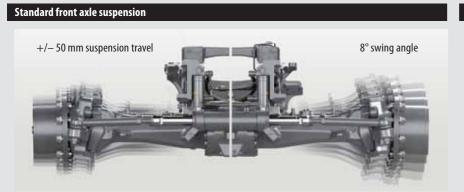
Powerful lighting concept



The ingenious lighting concept on the 700 Vario doesn't leave you in the dark. The work lights on the 700 Vario can be individually adjusted for up to 360 degrees of illumination. Optionally available as LED lights.



With the corner lights, you have the entire wheel arch in view, even at night. The corner lights are also available as extra bright LED lights.



The front axle, which has a suspension system as standard, enables high payloads along with the best ride comfort. The +/-50 mm suspension travel, absorbs uneven surfaces very well. The swing angle of 8° ensures stability while driving. A front axle steering angle of 52° guarantees maximum manoeuvrability.

Clever controls



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



The arrangement of the lights in the 700 Vario is unique – the work lights are "cross-eyed". This prevents all shadows and reflections so operators profit from an optimally illuminated field of vision.



Finish your work safely: The integrated coming Finish your work safety: The Integrated common 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.

Driving dynamics with safety and comfort

- Permissible overall weight of up to 14 tonnes
- High payload of up to 6,020 kg
- Self-levelling front axle suspension with 100 mm suspension travel
- Automatic trailer steering axle lock
- Rear and front differential with 100% disc locking
- Dual circuit braking system
- Brake light is actuated when decelerating as early warning for traffic following tractor



Comfort at its peak

You are connected directly to the ground through your tractor. The steering wheel, driver seat, suspension and operating elements are finely tuned to each other and are constantly giving you feedback. To allow you to maintain constant control, we have developed the perfect solution: the VisioPlus cab. Comfortable entry, optimal suspension, ergonomic arrangement of the operating elements as well as more visibility and space with the panoramic cab, 300-degree wiper, LED lighting concept, and much more.

Best visibility from inside - a beautiful sight from outside

Everything in view

The panoramic windscreen on the VisioPlus cab curves up into the roof and opens the view upwards and downwards. With a 77-degree angle, you have your work in full view, even when the front loader is raised. The large 6.2-m² glazed area provides a perfect all-round view without a B-pillar to get in the way. Rain won't stop you: with a 300-degree wiper field, the wipers provide a clear view over the complete front.

Electrically adjustable external rearview mirror with wide-angle mirror expands your view towards the rear. Fogged mirrors are a thing of the past: heated rearview and wide-angle mirrors keep the view towards the rear free in the winter.

Everything in the right light

LED headlamps with headlamp levelling

In the Fendt 700 Vario, you also work safely and effectively in the dark. The lighting on the Fendt 700 Vario is so precise, inside and outside, that everything is very well illuminated 360 degrees around the tractor. The lights on the steps to the cab already provide safety and a sure feeling. Equipped with high-quality LED headlamps, night becomes day. Dipped and main lights in the bi-LED headlamps offer a wide view as well as increased safety on the road. They have especially strong illuminating power with low power conway home.



Sight angle



Panoramic windscreen with 77° sight angle for a full view upwards and to the wheel arches.





One-piece side window and unobstructed all-round visibility without a B-pillar to get in the way.



Wide-angle mirror

The wide-angle mirror is integrated on the main ÷ mirror as secondary mirror and expands the field of view considerably



The LED headlights provide an especially wide and bright light. Furthermore, they save power and have a long lifetime. The light range can be adapted to the situation at hand, for example for driving on the road.

sumption and a long lifetime. All pre-selected work lights can be switched together centrally with just one button. The ambient lights provide pleasant interior lighting. After a full day of work, the intelligent coming home light illuminates your



The Fendt VisioPlus cab

- Large cab with a 2,520-litre volume for an exceptional sense of space
- Curved, one-piece panoramic windscreen with a 77° field of vision for an unobstructed view upwards
- 300° wiper for a large, clear wiper field
- Narrow, compact bonnet for best allround visibility
- Heated rear window
- Illuminated control console on the right armrest
- Automatic dimming of the interior lighting
- Daylight lighting with LED work lights for the front and rear
- Crossed light beams for optimal illumination in the front

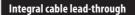
Because the cab is more than just a workplace

Overview and comfort

The Fendt VisioPlus cab offers plenty of space for your comfort. This already starts when you climb up into the cab on the wide step treads. With more than six square metres of glazing, the cab is not only a visibility wonder - you also have a greater sense of space thanks to the 2520-litre air space and the well thought-out ergonomic arrangement of all the components. Numerous storage spaces provide practical stowing options.

High-grade equipment

The high season can come: the Fendt 700 Vario has pneumatic cab suspension for perfect ride comfort. The four-point pneumatic cab suspension compensates perfectly for uneven terrain. You sit very comfortably and relaxed on the Evolution dynamic super comfort seat, which provides ideal support to the lumbar region. Suspended with compressed air from the vehicle compressor, the seat adapts itself to your weight. The comfort instructor seat features an integral writing table. The height and tilt-adjustable steering column can be quickly adjusted with the foot pedal to provide the perfect sitting position. A radio with CD and MP3 function and four stereo loudspeakers deliver the best sound quality in the cab. The bearings in VisioPlus cab have been optimised to absorb unpleasant noises from outside. Automatic climate control provides ideal ventilation and ensures the temperature is perfect in the cab. The aerosol filter ensures the best breathing air, even during dusty operations.



Roof hatch



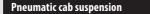
Driver and instructor seat

The suspension system and the individual armrest adjust-

standard specification comfort seat with air suspension, an optional super comfort seat with seat heater and pneumatic

ment ensure comfortable work days. In addition to the

lumbar support is also available.





The pneumatic cab suspension reduces vibrations effectively and provides high ride comfort. It is supported on four points with integrated self-levelling: the cab rests on two conic bearings at the front and on two air spring elements at the rear



Pneumatic comfort cab suspension

The pneumatic cab suspension with braking and pitch compensation reduces vibrations to a minimum and provides high ride comfort. It is supported on three points and has an integrated self-levelling feature.



Cables can be led into the closed rear window. The neatly and through the closed rear window. The Cables can be led into the cab from the outside, cable lead-through protects the inside of the cab against dirt, water and noise.



tilation on hot days. The roof houses the radio and a bay for a tachograph. An auxiliary device holder, e.g. for additional terminals, is mounted on the right-hand side.





Well-designed, wide step treads permit safe and easy entering and exiting.

Steering wheel position



For an optimal sitting position, the steering wheel must be at the right height and tilt angle. The cockpit, including the steering wheel, is individually height-adjustable.

Automatic climate control & lighting



All lights can be easily assigned to illuminated keys on the control console and actuated with a click. The integrated air conditioning ensures optimal cooling and comfort – manually controlled in the Power variant, fully automatic control in the Fendt 700 Vario Profi.





You surely would not want to do without the comfort of a cooling compartment for drinks. On hot days, cool refreshments are always well within reach behind the passenger seat.

Operate efficiently – drive comfortably

Electronic assistants

As part of the across-brand AGCO FUSE strategy, the Fendt Variotronic includes electronic automated functions and solutions for individual settings, which make work simpler, faster, more precise and more efficient. Special, innovative solutions permit seamless integration and connection of the entire fleet.

Perfectly controlled

Operating the Fendt 700 Vario Power is straightforward and easy using the fully integrated Variocentre. The ergonomic arrangement and colour coding of the operating elements corresponds to the current Fendt tractors and guarantees across-range, fast and practical operation. The integrated Vario TMS (Tractor Management System) ensures optimal coordination of the engine and transmission. The result is maximum ride comfort and absolute fuel-efficiency.

Being perfect can be so easy – Fendt 700 Vario Power

Firmly under control.

With the multifunction joystick, you can control the tractor easily and precisely. The two-gate lever accelerates and deceleration the Fendt 700 Vario without steps. The joystick lies well in the hand and numerous features can be activated directly on the lever: cruise control, speed memory, the hydraulics and additional automated functions, such as the headland management. The valves can be actuated directly from the joystick and freely assigned in the Varioterminal.

Straightforward operation on the multifunction armrest

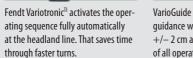
Headland turns made easy: Fendt Variotronic[™] Electronic assistance is a real benefit, especially for headland management. With our Variotronic[™] you save up to 1,920 hand movements in 160 turns. You can program up to 20 settings into the terminal for each turning manoeuvre, both when stationary and when driving. Later all it takes is a touch of a button to activate the automated procedures at the headland - you can therefore drive



The Fendt Variotronic includes and integrates the keys functions for higher efficiency. Unique: All functions can be adjusted easily and conveniently with the Varioterminal. The main applications are: • ISOBUS implement control • VarioGuide automated steering • VarioDoc documentation



AgCommand[™] permits operations to be optimised effectively through near real-time data transfer.



guidance with an accuracy of up to +/-2 cm and increases the economy of all operations.

enables fully automatic section control via GPS signal, dependent on the desired degree of overlapping.



You can operate and monitor all the functions of the Fendt 700 Vario Power in the terminal. Simply touch the corresponding menu item directly on the touchscreen or click a key. You can operate and monitor all the functions of the renot 700 vario rower in the terminal. Simply touch the corresponding mene item and a site of the function of the functio





Provides an overview: Fendt 700 Vario Profi/ProfiPlus

Centrally controlled

The Varioterminal is the central control unit for all tractor and implement settings. Furthermore, you can operate and keep track of the Variotronic features directly in the terminal. The components in the Varioterminal meet the highest demands for quality, reliability and the best workmanship. ISOBUS-capable implements can also be controlled directly with the Varioterminal. No additional implement terminals are necessary, so you gain more space in the cab and have a better overview.

The newest generation Varioterminal

The Varioterminal 10.4-B on the new Fendt 700 Vario sets standards for modern touch control. The borderless LCD display with a full glass front is the central control element and a real eye-catcher with its smartphone look. The highgrade touch display made of scratch-proof glass has a resolution of 800 x 600 pixels and 16 million colours for crisp images. Touch operation reacts sensitively and quickly. Key operation is also available.

Precise application

The implement control features automatic SectionControl. SectionControl switches sections on and off at the headlands or in the field and at the edge of the field, to prevent overlapping. When working with sprayers, fertiliser spreaders, precision air seeders and seed drills, SectionControl provides further savings potential for inputs.

Drive once, use forever



SectionControl





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

Headland management



With Variotronic¹¹ headland management, operators can create and save operating sequences while driving or standing still. More than 20 steps can be programmed in the sequence.



Transferring your field settings to other tractors is child's play. The Varioterminal saves your field and implement settings, such as waylines, obstacles, field boundaries, worked area or markers. This data can easily be saved to a USB stick and imported to the Varioterminal of other tractors. The data can be saved on the PC and checked with a map view.



The field settings can be transferred to other Fendt tractors using the USB port. Additionally, the port can also be used to charge mobile phones.

ISOBUS implement control



The functions for the implement can be assigned to the headland management can be assigned to the The functions for the implement control and multifunction joystick as desired, if the implement supports this feature. Operators can find the perfect operating ergonomics for the operation at hand. In general, settings for up to 25 implements can be saved.

Who has the most beautiful track in the world?

Always on the right track

VarioGuide permits the highest utilisation of your machines, since you can work very accurately, even at night, under poor visibility conditions or with large working widths - because the tractor automatically drives a perfect line. Overlapping is reduced and, depending on the working procedure, savings of three to ten percent can be achieved.

Depending on the requirements of your operations, you can choose a system with an accuracy of up to +/- 2 cm.

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

Fast data transfer

VarioDoc is the solution for easy and fast documentation. The software enables modern job management through automatic, gap-free data logging to the field database. Data is transferred wirelessly via Bluetooth. Modern fleet management is perfected through the enhanced version, VarioDoc Pro. It also logs position data and can even transfer these via the mobile network.

AgCommand telemetry pre-fitting

tions.

VarioGuide automatic steering



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



The antenna unit can be cosing series to a matter of between pre-equipped machines in a matter of The antenna unit can be easily transferred minutes. The individual components, such as the antenna, receiver and roll bias compensation unit are accommodated in a compact housing unit and fully integrated in the roof. The antenna is therefore optimally protected against external influences such as blows from branches or theft.



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

Documentation VarioDoc



VarioDoc for modern job management for data logging for field databases. Bluetooth interfaces permit data transfer.

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

AgCommand[™] telemetry



VarioGuide light attains an accuracy class of +/- 20 cm through the free EGNOS correction signal or American WAAS system. If these correction signals are not available, VarioGuide light runs in Autonomous mode. Here the deviation of the position of the tractor is calculated with a software filter, where the signals from the GPS and GLONASS satellites are compared and adjusted to each other.





VarioDoc Pro includes preparation for the AgCommand telemetry system for Fendt tractors. With this solution, you are always informed about where your machines are located and where they were in operation. This allows you to manage your entire fleet perfectly and optimise all your opera-



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

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



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

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

Perfectly equipped

The ideal line when grubbing, pass-to-pass accuracy when sowing, the perfect cut when mowing – with the Fendt 700 Vario, your work nears perfection and you will be highly satisfied with the results. The numerous interfaces and automated functions offer you maximum versatility for mounting implements. Powerful hydraulics facilitate and expand the areas of application for maximum efficiency and the best productivity.

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Full function for front and rear

Powerful hydraulics

With a delivery capacity of 193 litres per minute, the load-sensing pump on the Fendt 700 Vario provides high volume capacity for the hydraulics. These pumps for the Profi and ProfiPlus variants have an easy time with the most demanding implement operations. Additional pumps with a delivery capacity of 152 l/min and 109 l/min (Power) perform strongly with all implements. These pump capacities permit the engine speed to be kept low, which saves fuel effectively, even during demanding operations. Electric hydraulic oil filter monitoring provides assistance, for example, through fast fault diagnostics. It also shows the next maintenance intervals, which are twice as long, thanks to the monitoring. The long-lasting hydraulic oil is due to the benefits of the separate transmission oil and hydraulic oil supplies, since oil cannot mix and dirt is prevented from entering the transmission.

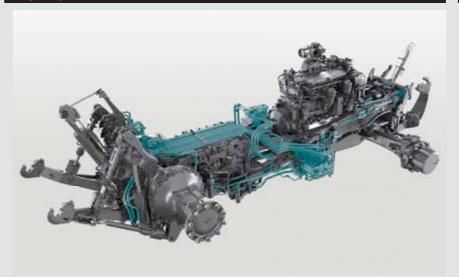
Weight lifter in best form

Thanks to its stable design, the Fendt 700 Vario has a lift capacity of 104 kN and can manage the heaviest loads. On the comfort front linkage with load relief control, the implement can be lowered with the double-acting front linkage valve and the weight of the implement can be transferred to the front axle. This is a particular advantage when operating a snow plough or front mower, since implement guidance can be adjusted quickly and uniformly to uneven surfaces. Relief springs for the mower are no longer required.

Comfort front linkage with load relief control



Complete hydraulics





The Fendt 700 Vario offers you the best solutions for your individual requirements in three equipment variants – Power, Profi and ProfiPlus. A number of features and mounting areas are already found in the front alone: top link, up to two double-acting control valves, unpressurised return front, seven-pin socket, front PTO (1000 rpm), EPC front linkage incl. shock load stabilising, lower link catch hooks, foldable lower links, shut-off cock;

Front mounting areas



The front linkage is fully integrated in the half-frame and therefore especially stable. The lower links on the front linkage can be folded up diagonally, which provides more clearance for front loader work.



The integrated front PTO delivers 1000 rpm. The direct drive line from the engine to the implement means high efficiency. Another advantage of the foldable lower links is that implements can be attached closer to the tractor and access to the front tyres is better.





The load relief control for the front linkage is a particular advantage when operating a snow plough or a front mower in grassland operations, since implement guidance can be quickly adjusted to uneven surfaces.

DCUP/CUP couplings



Both the DCUP and CUP couplings permit the hydraulic valves to be coupled under pressure; mounting and removing implements is easy. The self-closing valve flaps offer secure protection against contamination through dirt or water.

Rear mounting area for many implements

The right speed

No matter which PTO implement, on the Fendt 700 Vario you can demand power exactly as it is needed. Four PTO speeds with 540, 540E, 1000 and 1000E rpm are available. The new 1000E PTO provides optimal power transmission for implements with a high speed demand and simultaneously a low power requirement, for example, operations with a rotary harrow, slurry pump or sprayer.

More pressure with power beyond

The power beyond connection comprises a pressure line, a control line and a return for hydraulic oil. The control line regulates the output of the hydraulic pump dependent on the oil requirement of the implement. The line has an especially good flow for high hydraulic oil volumes. The oil is transported directly to where it is needed, quickly and without power losses.

Compressed air Duomatic coupling Fast hitching and unhitching of implements made easy: The Duomatic coupling connects compressed air brake lines from trailers or loading wagons with just one hand movement.

External controls at the rear The externally operated functions at the rear simplify coupling and uncoupling implements when standing. The rear linkage and the PTO can be operated from both sides. One control unit, for example for the hydraulic top link, can be operated on the rear left side.



All the interfaces at the rear are arranged functionally and clearly. Signal socket, hydraulic top link, up to five spool valves, unpressurised return, compressed air brake, pressure and control line power beyond, hydraulic trailer brake, 7-pin socket, lower link catch hooks, ABS socket, hitch, rear PTO 540, 540 E, 1000 and 1000E rpm, bottom hitch and steering axle automatic.

Power beyond



Power beyond pressure and control line for full hydraulic power transmission

External controls rear linkage



The valves can also be operated externally on the rear mudguard, which makes mounting implements much easier.



Rear PTO with 540, 540E, 1,000 and 1000E rpm speeds The external PTO actuation at the rear is especially convenient.

Automatic steering axle lock B

The optional automatic steering axle lock automatically unlocks the steering axle at a predefined speed on trailers with selfsteering axles. On straight stretches, the rigid self-steering axle ensures stable handling. Operators do not need to lock the self-steering axle manually outside of the preselected speed range and when reversing.





Connection for the ISOBUS implement control.



Just lifting weight would be too easy...

The Vario and Cargo form a perfect unit

The 700 Vario is ideal for front loader work. The upward viewing angle has been tripled thanks to the new front windscreen. Operators have the front loader in full view, even when it is raised. The front window of the 700 Vario can be fully opened at any time while the front loader is in use. That makes front loader work a true pleasure.

Optimal operating interface concept

The controls for the Fendt Cargo are optimally integrated in the overall operating interface on the right armrest and in the Varioterminal: you control the front loader with your right hand on the crossgate lever, your left hand is free for steering and reversing and you can control the travel speed with your foot. The CargoProfi represents the absolute pinnacle in front loader operation.

Smart functions of the CargoProfi

The new Fendt CargoProfi* is the consistent further development of the tractor and front loader unit. New measuring and tilt sensor systems as well as a job computer enable new functions. These are a weighing function for individual and total weight, for example, for monitoring when loading salt or gravel, as well as the memo function for saving the positions of

Varioterminal.

*available for the front loader models 5X/85 and 5X/90



On the Fendt Cargo Profi, for example, the tipping angle can be limited when loading very high trailers. The Memo function is especially practical for repeating sequences, for example, the horizontal lower position can be targeted automatically. The weighing function permits monitoring of the weight of the load.



Membrane keypad for Ð hydraulic implement lock and activation of the damping

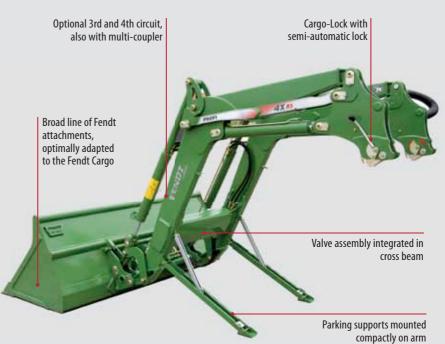
Display for crossgate lever and weighing system: individual and total weight and limiting of the working

range for the arm and attachment.



Standard multi-coupler for fast mounting and removing.

Torsion-resistant arm for rugged jobs



Mod	el	4X/85 ²⁾	5X/85	5X/90
Α	Digging depth (mm) 1)	130	290	250
В	Lifting height (mm) 1)	4150	4460	4500
c	Dumping distance (mm) $^{1)}$ B = 3.5 m	1540	1910	1870
c	Dumping distance (mm) $^{1)}$ B = max.	950	1120	1080
D	Angle of emptying	55°	55°	55°
E	Angle of backwards tilt	48°	48°	48°
	Lift capacity over full height (daN)	2600	2600	2950
	Max. lift capacity (daN)	3000	3000	3460

1) depends on tyres 2) only for 28" front tyres

the arm and attachment or also a shake function. The settings are easy to adjust and view in the

The features of the Fendt CargoProfi

- Weighing function: Loads are weighed with the push of a button, both individual and total weight possible
- Working range, such as lifting height and tilt angle, can be limited
- Memo function: Save positions for arm and attachment
- End position damping
- Shake function
- Speed-dependent damping (automatic enabling and disabling)



Cutting edge technology united

In the Fendt 700 Vario, start-of-the-art technology is optimally merged in a single vehicle, which gives professional farmers and business owners the economic edge.

- 1. Front drive axle with 52° steering lock
- 2. Hydropneumatic front axle suspension with self-levelling and 2 cylinders (lockable)
- 3. Front linkage with external controls
- 4. Front PTO

38

- 5. 2 da hydraulic connections at the front
- 6. Planetary final drives
- 7. 6.06 l Deutz engine with 4 valves per cylinder
- 8. Cooler unit
- 9. SCR catalytic converter
- 10. Stepless Vario transmission
- 11. Hydro motor
- 12. Hydraulic pump
- 13. Enclosed 4WD clutch
- 14. Fuel tank with 400-l capacity
- 15. AdBlue[®] tank with 38-I capacity
- 16. Planetary axle
- 17. Multi-disc brake for rear wheels
- 18. Cardan brake for front wheels
- 19. Rear linkage with hydraulic lateral stabilisation
- 20. VisioPlus cab with integral automatic climate control and nearly 6 $\ensuremath{\mathsf{m}}^2$ of glazing
- 21. Pneumatic cab suspension
- 22. Multi-function armrest with Variocentre
- 23. Varioterminal with integral Fendt VarioGuide automatic steering system and ISOBUS
- 24. VarioGuide roof unit
- 25. Air-suspended Evolution Dynamic super comfort seat with climate control, seat heating, pneumatic lumbar support
- 26. Comfort passenger seat with automatic seat belt
- 27. Ext. rearview mirror, electrically adjustable, heated
- 28. External rear controls for linkage, PTO and one hydraulic control unit
- 29. LED dipped/main beams
- 30. External exhaust gas recirculation
- 31. Rear PTO 540/540E/1,000/1,000E
- 32. 300-degree wiper
- 33. Diesel particulate filter CSF (Coated Soot Filter)



Fendt 700 Vario Power version



700 Vario Profi and ProfiPlus version



Photos show optional equipment

Fendt	714	716	718	720	722	724
Engine						
Rated power (kW/hp) (ECE R24)	94/128	108 / 148	121 / 165	136 / 185	151/205	162 / 220
Max. power (kW/hp) (ECE R24)	107 / 145	121 / 165	132 / 180	147 / 200	162 / 220	176/240
Rated power (kW/hp) (EC 97/68) 4)	106 / 144	120 / 163	133 / 181	148 / 201	163 / 222	174/237
Max. power (kW/hp) (EC 97/68)	110 / 150	125 / 170	139 / 188	153 / 208	168 / 229	181 / 246
No. of cylinders / cooling	6/water	6/water	6/water	6/water	6/water	6/water
Cylinder bore / stroke (mm)	101 / 126	101 / 126	101 / 126	101 / 126	101 / 126	101 / 126
Cubic capacity (cm ³)	6056	6056	6056	6056	6056	6056
Rated engine speed (rpm)	2100	2100	2100	2100	2100	2100
Engine speed at max. power (rpm)	1800	1800	1800	1800	1800	1800
Max. torque (1450 rpm)	650	725	804	897	988	1058
Torque rise (%)	43	40	39	39	39	38
Fuel tank (I)	400	400	400	400	400	400
AdBlue® (I)	38	38	38	38	38	38
Oil change interval (op. hrs.)	500	500	500	500	500	500
Transmission/PTO						
Type: Continuously variable Vario transmission	ML 140	ML 140	ML 180	ML 180	ML 180	ML 180
Speed range:						
Range I - field (forward / reverse)	0.02 to 28 km/h / 0.02 to 17 km/h					
Range II - road (forward / reverse)	0.02 to 50 km/h / 0.02 to 33 km/h					
Maximum speed (km/h)	50 50 50 50 50 50					
Rear PTO (rpm)	540/540E/1000/1000E					
Front PTO (rpm) 1)			10	000		

Linkage						
Displacement pump pressure (200 bar) (I/min)	109	109	109	109	109	109
(options)	(152193)	(152193)	(152193)	(152193)	(152193)	(152193)
Rear lift control	Electrohydraulic power lift control					
Additional valves max. (standard)	7 da 3) (2 da 3) electr. valves / crossgate lever					
Max. lift capacity, rear linkage on the draw- bar (daN)	10360	10360	10360	10360	10360	10360
Max. lift capacity, front linkage (daN)	4418	4418	4418	4418	4418	4418
Implement weight / front linkage up to (kg)	3180	3180	3180	3180	3180	3180

Weights and dimensions						
Unladen weight	7735	7735	7980	7980	7980	7980
Perm. overall weight (kg)	12500	12500	14000	14000	14000	14000
Max. vertical hitch load with	2000	2000	2000	2000	2000	2000
standard tyres and 50 km/h (kg)						
Overall length (mm)	5240	5240	5240	5240	5240	5240
Overall width (mm)	2550	2550	2550	2550	2550	2550
Overall height (mm)	3050	3050	3050	3050	3050	3050
Ground clearance (mm) ²⁾	506	506	506	506	506	506
Wheelbase (mm)	2783	2783	2783	2783	2783	2783
Track width front (mm) ²⁾	1950	1950	1950	1950	1950	1950
Track width rear (mm) ²⁾	1920	1920	1920	1920	1920	1920
Min. turning circle (m)	5.5	5.5	5.5	5.5	5.5	5.5

Electrical equipment						
Starter (kW)	4.0	4.0	4.0	4.0	4.0	4.0
Battery (V/Ah)	12 / 180	12 / 180	12 / 180	12 / 180	12 / 180	12 / 180
Alternator (V/A)	14/200	14/200	14 / 200	14 / 200	14 / 200	14/200

Tyres						
Standard front	480/70 R28	540/65 R28	540/65 R28	540/65 R30	540/65 R30	540/65 R30
Standard rear	580/70 R38	650/65 R38	650/65 R38	650/65 R42	650/65 R42	650/65 R42
Optional front	540/65 R30	540/65 R30	540/65 R30	600/65 R28	600/65 R28	600/65 R28
Optional rear	580/70 R42	580/70 R42	650/65 R42	710/70 R38	710/70 R38	710/70 R38
Optional front	16.9 R28	16.9 R28	600/65 R28	600/65 R28	600/65 R28	600/65 R28
Optional rear	20.8 R38	20.8 R38	710/70 R38	650/75 R38	650/75 R38	650/75 R38
Optional front	600/60 R28	600/60 R28	600/60 R30	600/60 R30	600/60 R30	600/60 R30
Optional rear	710/60 R38	710/60 R38	710/60 R42	710/60 R42	710/60 R42	710/60 R42
Optional front				320/85 R385)	320/85 R385)	320/85 R3851
Optional rear				320/90 R545)	320/90 R545)	320/90 R5451

 $^{1)}=$ optional, 2 = with 710/70838 tyres, 3 = can also be used as single-acing, 6 = power specificaitons for registration 5 = Recommended for row crop tyres, not offered by Fendt

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

Equipment levels	Power	Profi	ProfiPlu
Vario operation			
Multi-function joystick	•	•	•
Varioterminal 7" with touchscreen and key control	•	•	
Varioterminal 10.4-B with touchscreen and key control			
Variotronic implement control (ISOBUS)			
SectionControl			
Variotronic [™] — headland management system			
Vario TMS – engine-transmission management system			
VarioDoc documentation system			
VarioDoc Pro – documentation system /			
AgCommand telemetry system			
Preparation for automated steering			•1)
VarioGuide automated steering system			
VarioGuide light automated steering system			
VarioActive steering			
Electronic immobiliser			
Cab			
Split windscreen and door on right			
One-piece windscreen			
Pneumatic cab suspension			
Pneumatic comfort cab suspension			
Height and tilt-adjustable steering column			
Comfort Seat, air-sprung with backrest			
Super comfort seat with seat heater, lumbar support			
Super comfort seat Evolution Dynamic with climate			
control, seat heater and lumbar support			
Passenger seat with automatic seat belt			
Comfort passenger seat with automatic seat belt			
Floor mat			
Radio mounting kit with two speakers			
Radio CD MP3 Blaupunkt			
Two additional coaxial speakers			
Tachograph			
Air-conditioning			
Automatic climate control			
Pollutant filter (aerosol)			
Segment wipers front			
Parallel wipers front			
300-degree wiper front		2 ²)	● ²⁾
Rear window heated			
Rear window wash/wipe			
Ext. rearview mirror, mechanically adjustable			
Ext. rearview mirror, electrically adjustable, heated			
Wide-angle mirror			
Interior rearview mirror			
Corner light / chrome trim turn signal indicator light			
LED corner light			
Work lights roof, 4 at rear, 2 in front			
Work lights A-pillar, roof front, mudguard rear			
Work lights LED A-pillar, rear mudguards, 4 roof rear, 4 roof front			
LED headlamps with headlamp levelling			
LED rear light			
Ambient lighting			
Auxiliary device holder (choice of 2)			
Cooling compartment			
Battery disconnect			
Add. Stowage options, 12 Volt left,			
Light in roof liner left		-	-

Engine		
Fuel pre-filter		
Fuel pre-filter (heated)		
Preheater package (engine, transmission, hydraulic oil)		
Exhaust brake		
Transmission		
Shuttle function, stop and go function		

Acoustic signal when reversing

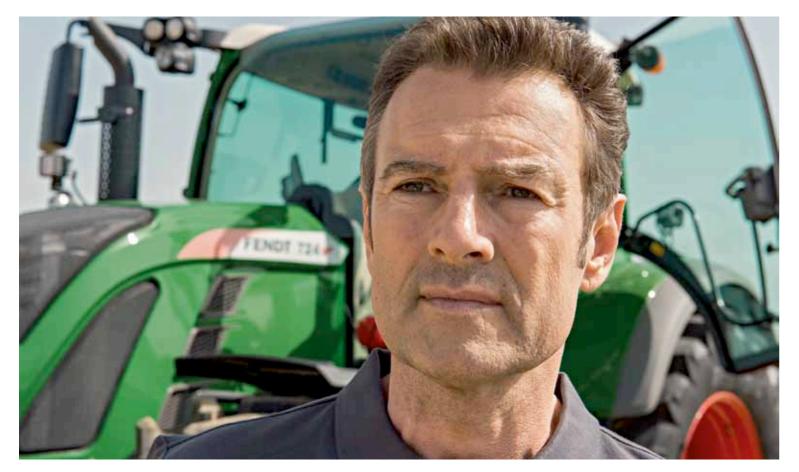
Equipment levels	Power	Profi	ProfiPlus
Chassis / safety features			
Compressed air system			
Automatic trailer steering axle lock			
Compressed air Duomatic coupling			
Dual-circuit braking system 1 pedal Dual-circuit braking system, 2 pedals and steering clutch			
brake			
4WD / differential locks			
Comfort engagement controls for 4WD / differential locks	•	•	
Rear / front differential with 100% disc locking Power shift PTOs			
Rear: Flanged PTO 540/540E/1,000/1,000E rpm	ě		ě
Front: 1,000 rpm			
External controls for rear PTO	•		•
Hydraulics			
Load sensing system with axial piston pump (109 l/min)		-	
152 l/min delivery capacity			
193 l/min delivery capacity Electrohydraulic rear linkage sa (EPC)			
Electrohydraulic rear linkage da (EPC), with external	•		
controls			
Control with linear elements			
1st and 2nd hydraulic valve at rear 3rd hydraulic valve at rear			
4th hydraulic valve at rear or 3rd hydraulic valve at rear and 1st hydraulic valve in front		Ū	
4th to 5th hydraulic valve at rear			
1st to 2nd hydraulic valve in front Hydraulic lower link lateral stabiliser			
Radar sensor			
Top link rear hydraulic			
External hydraulic connection (load sensing)			
Hydraulic valve actuation crossgate lever, connect-under- pressure couplings rear	•	•	•
Double connect-under-pressure lever couplings rear Comfort ballast pick-up without FPL			
Front linkage da with external controls			
Comfort front linkage da, with position control,			
external controls			_
Comfort front linkage DA, with position control and relief control, external controls			
Body			
Auto. hitch with remote control, rear			
Ball-type coupling, height adjustable			
Ball-type coupling normal in the bottom hitch			
Ball-type coupling long in the bottom hitch Forced steering (single or double-sided)			
Pickup hitch			
Swinging drawbar			
Piton fix			
Rotating beacon left and right Wide vehicle marker			
Pivoting front wheel mudguard			
Front weights, various sizes			
Ballast weights for rear wheels			
Design Line			
Front loader			
Front loader mounting parts			
Front loader Cargo 4X/85 Front loader Cargo Profi 4X/85			
Front loader Cargo 5X/85			
Front loader Cargo Profi 5X/85			
Front loader Cargo 5X/90			
Front loader Cargo Profi 5X/90			

 $^{1)}$ = including VarioGuide roof hatch $^{2)}$ = with one-piece windscreen

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

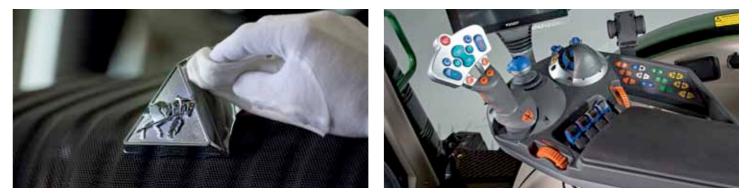
Leaders drive Fendt.

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



Invest in profitability

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



Certified quality

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



More freedom for investments

Tailor-made financing from AGCO FINANCE and the customised Efficiency is the recipe for successful financial management in service package: A custom financing package with attractive agriculture. We make no compromises when it comes to efficonditions and flexible terms offers you an ideal opportunity to ciency, because our objective is to be the leader for cost-effecmatch your investment to the needs of your farm or business. tiveness per hectare and kilometre. The very best technology is With a Fendt Service Package, you also have servicing and repair just good enough here, for example, as is found in our tractors: costs under control. When purchasing your tractor, you can the highly efficient Vario drive train and the fuel-saving SCR already plan the prescribed service work based on attractive technology in combination with TMS. fixed prices – with the Service or comprehensive ProService package.

We offer more – join us!

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

Efficiency – for our customers' success



Leaders drive Fendt





AGCO GmbH – Fendt Marketing

87616 Marktoberdorf, Germany

Sales agent:



Fendt is a worldwide brand of AGCO.

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