

FENDT

Fendt 700 Vario





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.



Perfect for every operation.

The flexible high-horsepower tractor, ranging from 150 – 246 hp, is your strong partner for all operations – from light-duty grassland operations, over dynamic transport, to heavy-duty field or fleet operations.

Because versatility belongs to perfection

The Fendt 700 Vario offers a number of features that will make your everyday work easier.

- Higher lift capacity of 10,360 daN
- Up to 14 t perm. gross weight
- High payload of up to 6,200 kg
- Hydraulic system with load-sensing pump with 109 l/min as standard specification, optionally 152 l/min or 193 l/min
- 4-speed rear PTO
- 1000E for lowering the engine speed and saving fuel
- Emissions standard EURO Stage 4 / Tier 4 final
- 300° wiper for a larger wiper field
- LED headlamps with headlamp levelling
- New Varioterminial 7" and 10.4" in smartphone look with touch and key control
- Newest Variotronic guidance and telemetry functions



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

Become a perfectionist.
With the Fendt 700 Vario.

	kW	hp
Fendt 714 Vario	106	144
Fendt 716 Vario	120	163
Fendt 718 Vario	133	181
Fendt 720 Vario	148	201
Fendt 722 Vario	163	222
Fendt 724 Vario	174	237

Maximum output to ECE R 120

VERSATILITY AND FLEXIBILITY

Perfectly equipped.

The tractor for perfect results

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.

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.

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 ensures that the front axle, which is designed for tractive performance and field operation, always has enough ground contact.

The Vario and Cargo form a perfect unit

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

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.



The linkage is set via the Varioterminal and actuated with the power lift control module, multi-function joystick or the external controls on the rear mudguard or in the front.

An unobstructed view through glazed areas and high manoeuvrability make the Fendt 700 Vario ideal for front loader work.



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 6,200 kg, the compact high-horsepower tractor has plenty of reserves for heavy implements.

THE ENGINE ON THE FENDT 700 VARIO

Perfect coordination for the best drive train

Power and reliability

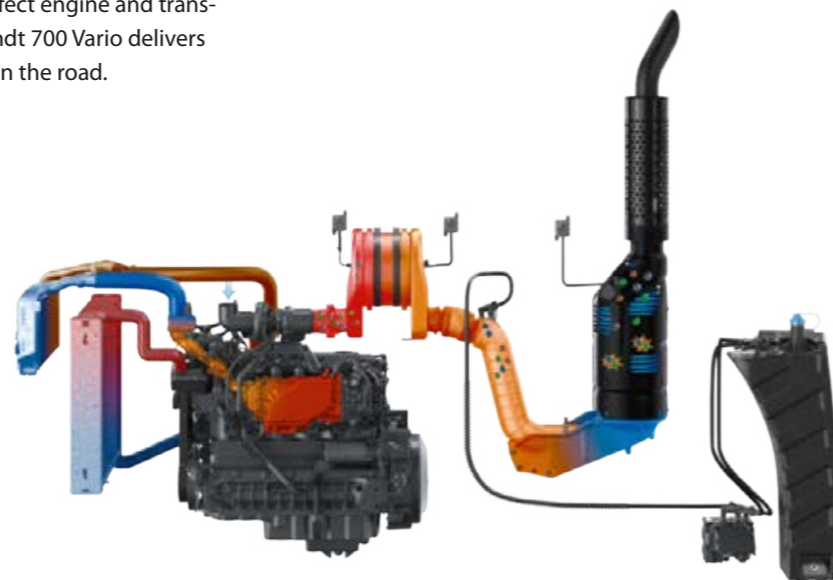
The tried and proven six-cylinder Deutz engine on the Fendt 700 Vario delivers 145 to 240 hp with a top speed of 50 km/h. With a 6.1 litre cubic capacity, 4 valves per cylinder and common rail injections, the engine delivers a high-torque driving experience. The compact high-horsepower tractor is designed 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 for regeneration, saves fuel. With perfect engine and transmission coordination, the new Fendt 700 Vario delivers full performance in the field and on the road.

Exhaust gas after-treatment

With SCR technology, exhaust is after-treated with AdBlue®, a 32.5 percent solution of urea, which converts nitrous oxides NOx into non-toxic nitrogen and water. The external exhaust gas recirculation (AGRex) already reduces nitrogen oxides before they reach the exhaust line, so AdBlue® can be used very sparingly.

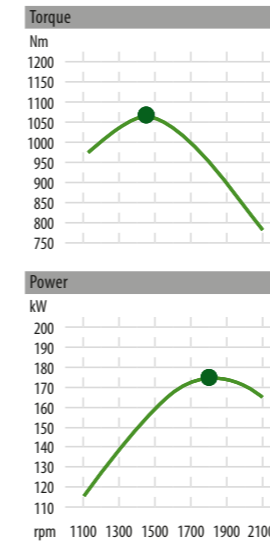


Economical and low-maintenance

The fuel pre-filter with thermostatic valve allows the tractor to start reliably, even at temperatures well below zero, since the pre-warmed fuel flows from the return into the prefilter. The radiator and filter are arranged for ease of maintenance. The fuel and AdBlue 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.

Engine characteristics – Fendt 724 Vario

1.058 Nm torque, 246 hp maximum output at 1,800 rpm



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.



THE TRANSMISSION ON THE FENDT 700 VARIO

Popular, proven, perfect: The Fendt Vario transmission.

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.

The right speed with the 1000E economy PTO

No matter which PTO implement you are using, on the Fendt 700 Vario you can demand power exactly when 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 plant protection sprayer.

Well-balanced and efficient with TMS

Frequently changing operations are on the agenda for an all-rounder. Whether for transport or heavy draft work, the Fendt 700 Vario has been designed for ideal performance, low fuel consumption and reduced wear on components. The tractor management system TMS controls the engine and transmission so that they are always working at an economical optimum without you having to think about it. Sie geben einfach die gewünschte Geschwindigkeit vor.

Go to the limit with full power

Features, such as the automatic maximum output control 2.0, 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.

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



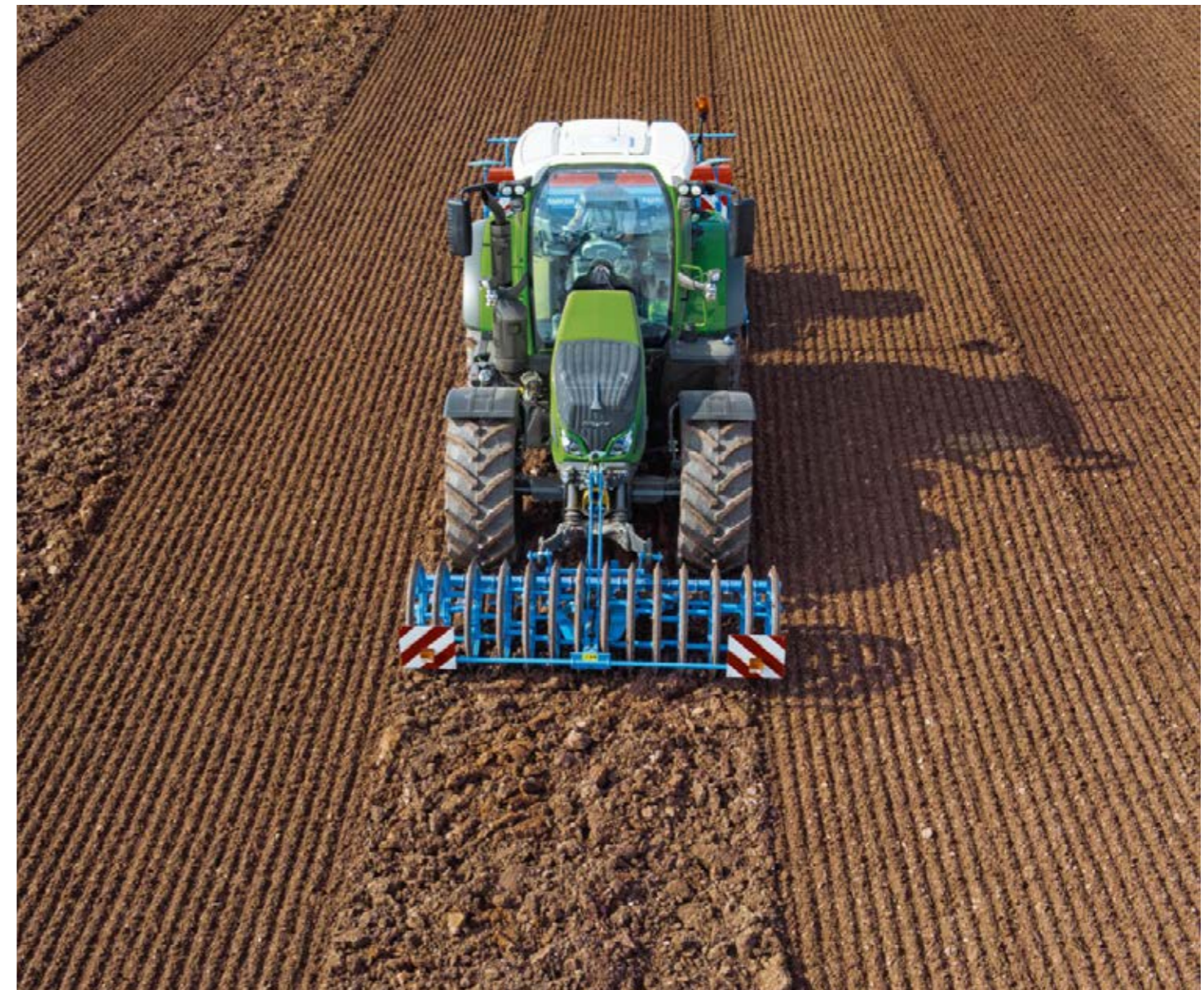
The driving mode can be selected individually: The speed can be controlled with either the pedal or the joystick.



Travel direction can be changed with either the joystick or the reverser lever on the steering column switch. Especially practical: the integrated Stop-and-Go function.



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



THE FENDT VISIOPUS CAB

Comfort at its peak.

Visibility and space

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.

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.

High-grade equipment

The high season can come: The Fendt 700 Vario has pneumatic cab suspension for perfect ride comfort. The three-point pneumatic cab suspension compensates perfectly for uneven terrain. You sit very comfortably and relaxed on the "Evolution dynamic Dual Motion" 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 seat is available with either a black fabric or genuine leather cover.

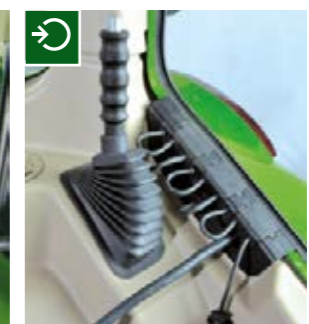
An individual work place

The height and tilt-adjustable steering column can be quickly adjusted with the foot pedal to provide the perfect sitting position. Thanks to the hands-free speaking system with movable microphone, your hands are free while making your phone call with the best audio quality. The bearings in the 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 active charcoal filter ensures the best breathing air, even during dusty operations.

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.

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



The 300° wiper enlarges your field of vision and provides an unobstructed view over the entire front of the tractor and to the wheel arches.

The suspension system and the individual armrest adjustment ensure comfortable work days. The comfort instructor seat features an integral writing table.

Cables can be led neatly into the cab from the outside through the closed rear window. Dirt and moisture stay outside.

Refreshments are always well within reach in the cooling compartment behind the passenger seat.

THE NEW FENDT VARIOTRONIC IN THE FENDT 700 VARIO

Operate efficiently – drive comfortably

Well thought out through and through: The Fendt operating concept

For years, the control concept of Fendt control elements on the right armrest, comprising the Varioterminal, multi-function joystick, crossgate lever, linear modules and membrane keypad, has proven itself in operation. To operate the tractor, implement and Variotronic functions, there are two terminal variants available for the Fendt 700 Vario, the 7-B terminal with a new design as well as the larger 10.4-B terminal. Both terminals are operated both per touch and keys.

Always on the perfect track

With Fendt VarioGuide you can drive reliably and accurately, even in areas with poor reception conditions. Fendt VarioGuide permits the highest utilisation of your machines, because you can work without actively having to steer, even at night or with large working widths. With Fendt 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.

On the ideal track: The new Fendt VarioGuide

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

No overlapping from the very beginning with SectionControl

With the fully automatic Fendt SectionControl for ISOBUS implements, you can apply seeds, fertiliser or pesticides without overlapping. This prevents double treatment and distances are automatically maintained. With the aid of the SectionControl assistant, you can set the correction values for your implement, quickly and easily. The switch on and off points can be set precisely from the very beginning, which automatically results in economical application. No overlaps from the start with SectionControl

The use of cameras on your machines significantly increases comfort and safety. You can see more of what is happening around you, especially when working with large implements. The big 10.4-B Varioterminal has up to two camera ports.



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



The SectionControl Assistant guides you step by step through all the required input to set the ideal on and off switching points.



The headland management Variotronic¹ saves the procedures at the headlands. Up to 5 triggers, 13 saveable functions (incl. guidance) as well as simple operation when stationary, ensure constant, superior working quality at the headlands. You can trigger the sequences with the push of a button on the joystick. You save up to 1,920 hand movements in 160 turns. The variant Variotronic¹ automatic is even easier to use, because it triggers the sequences automatically and exactly at the right position. It can also be programmed when stationary.



With Fendt VarioGuide you can keep on track in two accuracy levels with a deviation of +/- 20 cm (VarioGuide Standard) and +/- 2 cm (VarioGuide RTK). The flexible selection of available receivers and correction services is new.

FENDT VARIOTRONIC FOR HIGHER PROFITABILITY

Perfect for all operations,
essential in the fleet:
Documentation and telemetry.

Your work at a glance with Fendt VarioDoc

Documentation is the most important basis for farm management for agricultural businesses. With VarioDoc, relevant data can be recorded with a minimum of effort, documented in the field record and then analysed, all in the shortest amount of time. The data is transferred wirelessly from the Varioterminal to the field database using the ISOBUS Standard TC-BAS. Data on the quantity of seeds and fertiliser applied or the fuel consumption per hectare is available immediately after the work is done. Additionally, jobs can be created in the PC and sent to the terminal.

Data monitoring in real-time: Fendt VarioDoc Pro

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

Variable application with VariableRateControl (VRC)

Data transfer with VarioDoc Pro now permits variable rate application, based on the needs of the soil or plants, and therefore saves operating inputs. Based on VarioDoc Pro for documentation, a new solution for precision farming, variable rate control function (VRC), is now available. 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 in the field database and then applied with utmost precision.

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.

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

The ISOBUS implement control is perfectly integrated in the Varioterminal 7-B and Varioterminal 10.4-B (not on Power version). The implement is controlled with the terminal and joystick, an additional terminal or joystick is not required.



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

QUALITY STANDARD AND RETENTION OF VALUE

Perfect outlook.

Investment with a high retention of value

Those who invest in a tractor, also invest in the future. With the Fendt 700 Vario, you lay the foundation for excellent, high-yield prospects. This includes the efficient, cutting-edge tractor technology, proven Fendt quality as well as the latest software update during servicing – an exclusive Fendt service for the highest retention of value.

Absolutely easy to operate

Ideal diagnostic capabilities and long maintenance intervals ensure the tractor keeps on running. The remote transmission measuring points permit fast and simple diagnostics without having to disassemble the wheel. Failures can be analysed quickly through the fault messages in the Varioterminal. The separate oil supply means transmission oil only needs to be changed every 2,000 hours under normal conditions. The Fendt 700 Vario has a number of factors that keep downtimes and maintenance costs low.

Long-term economy

High efficiency is reflected in a higher yield while using fewer resources, such as fuel, operating inputs or time. The Fendt 700 Vario continues in the tradition of its predecessor and delivers high performance at low engine speeds – so there is less wear on all the components and diesel and AdBlue consumption is reduced. Its high overall profitability pays off during every operation.

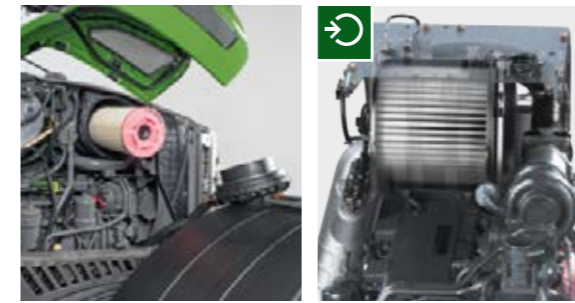
Your investment secured: The electronic immobiliser

To ensure that your Fendt 700 Vario stays with you as long as possible, it has a standard specification electronic immobiliser – already standard on most automobiles, new for tractors. With the immobiliser, the tractor has a special ignition lock and ignition key. The tractor can also be ordered without an immobiliser, if desired.

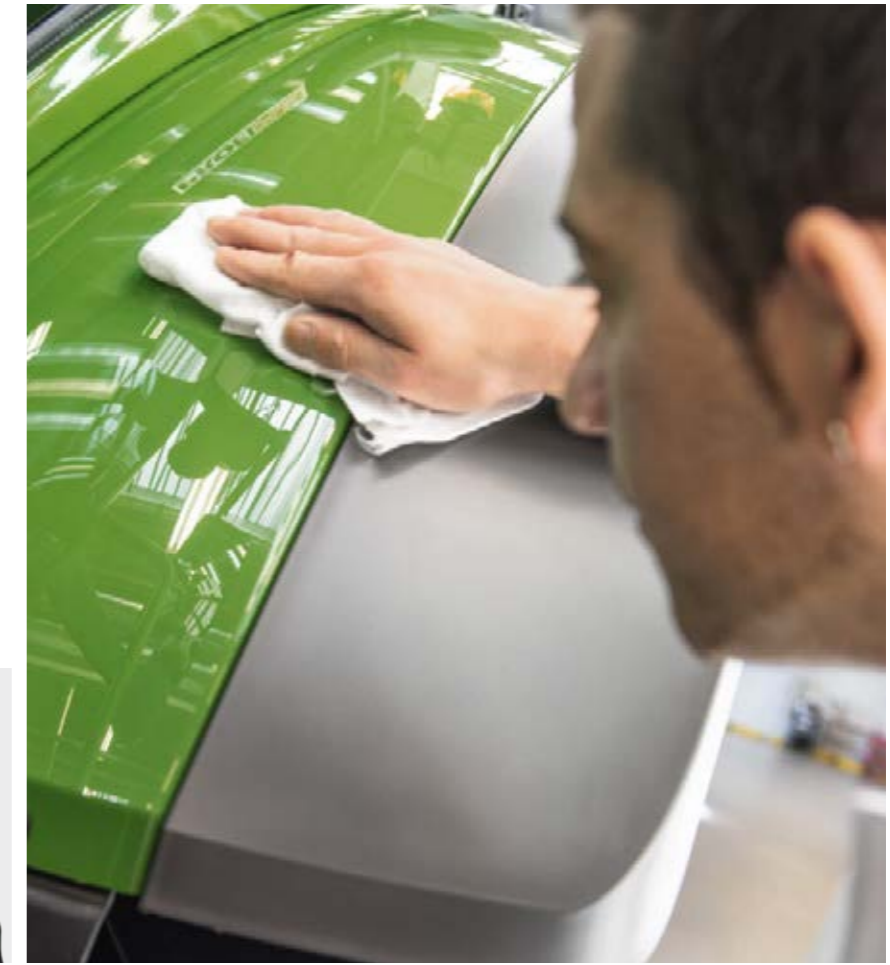
Fendt stands for high quality. To honour this promise, running quality control takes place during daily production. When your Fendt 700 Vario is delivered to your farmyard, it has already run through all the quality gates along the entire production line.

The engine compartment is very easy to access for inspection and maintenance, even when the front loader mounting parts are attached. The one-piece bonnet with two separate side panels can be opened comfortably.

More savings: the diesel particulate filter CSF is designed for the lifetime of the tractor and therefore free of maintenance costs.



Less effort, more free time: The compact cooler unit is easily accessed and, thanks to the large clearance between the coolers and the flat cooler floor, it is fast and easy to clean.



Become a Vario pro with driver training: With our Fendt Expert Training, you learn how to use all of the functions on your tractor efficiently. Our team of competent professional trainers teach you how to utilise the entire performance potential of your Fendt tractor. Sign up through your dealer. You will find further information at: www.fendt.com/training

Gold for the Fendt 724 Vario:

The Fendt 724 Vario was awarded a Gold medal at the Best Seller Award 2016 in Italy.

DLG PowerMix test:

"In the PowerMix measurements during mixed work, the 720 Vario is content with just 258 g/kWh – that is 11% lower than the average." – profi (04/2016)

DLG PowerMix test:

"And because of the low AdBlue consumption of only 13 g/kWh, it consumes even less in total than the 724 Vario with emissions Stage IIIB in the last test." – profi (04/2016)

Transport test:

"In our round of tests, the Fendt was the best in terms of the overall consumption of diesel and AdBlue (DEF). In the 50 km/h version, it consumed 52.5 litres per 100 kilometres, at 40 km/h it was 2.3 litres lower." – top agrar (12/2015)

FENDT STARSERVICE: THE BEST SERVICES

Secure reliable operations for the future today.



100% quality, 100% Fendt StarService
To ensure that your Fendt 700 Vario delivers 100 percent performance at all times, we offer you 100 percent service. In addition to the best diagnostics-capability and ease of repair, this includes availability of replacement parts 24/7 during the season. Furthermore, the Fendt Service network guarantees short paths between you and our trained Service staff. You also get a 12-month warranty on original Fendt parts and their installation. Repairs with original parts ensure that your Fendt tractor retains its value.

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

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

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



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



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



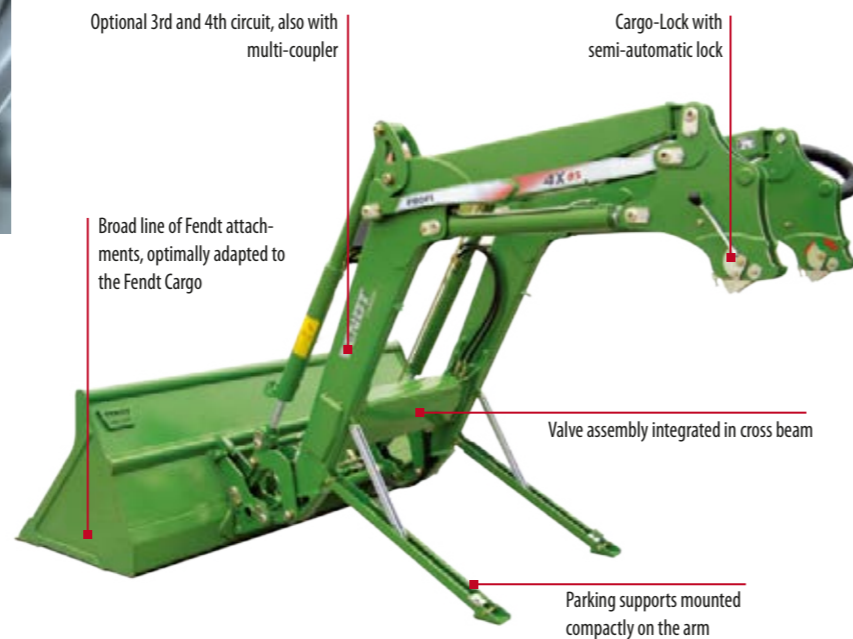
The best product – the best services: Certified Fendt dealers are distinguished by their first-class expertise and their comprehensive range of services. They regularly undergo strict audits to prove their high-quality of service. Your FENDT is in the best hands here.

FRONT LOADER FENDT CARGO

When the tractor and front loader work together perfectly, that is called Fendt Cargo.



Membrane keypad for implement lock and damping activation.



Optimal operating interface concept

Nie war die Bedienung so leicht: Tractor operation has never been easier: Controlling the Fendt Cargo is a breeze, as all controls are perfectly integrated in the right armrest and Varioterminale. While you control the crossgate lever and thus the front loader with your right hand, your left hand remains free for steering and reversing. You control the 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 the arm and attachment or also a shaking function. The settings are easy to adjust and view in the Varioterminale.

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

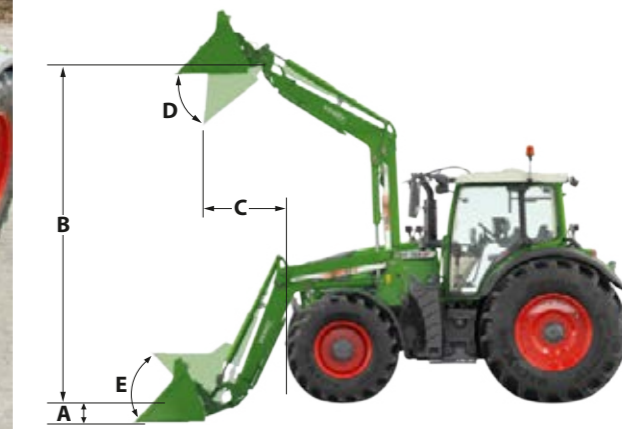
On the Fendt CargoProfi, for example, the tipping angle can be limited when loading very high trailers. The Memo function is especially practical for repeating sequences, for example, the horizontal lower position can be targeted automatically. The weighing function permits monitoring of the weight of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



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.



Fendt front loader	Cargo 4X/85 ²⁾	Cargo 5X/85	Cargo 5X/90
A Digging depth (mm) ¹⁾	130	290	250
B Lifting height (mm) ¹⁾	4150	4460	4500
C Dumping distance (mm) ¹⁾ B=3.5 m	1540	1910	1870
D Dumping distance (mm) ¹⁾ B=max.	950	1120	1080
E Angle of emptying	55°	55°	55°
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

Fast and easy loading? Lies at hand.

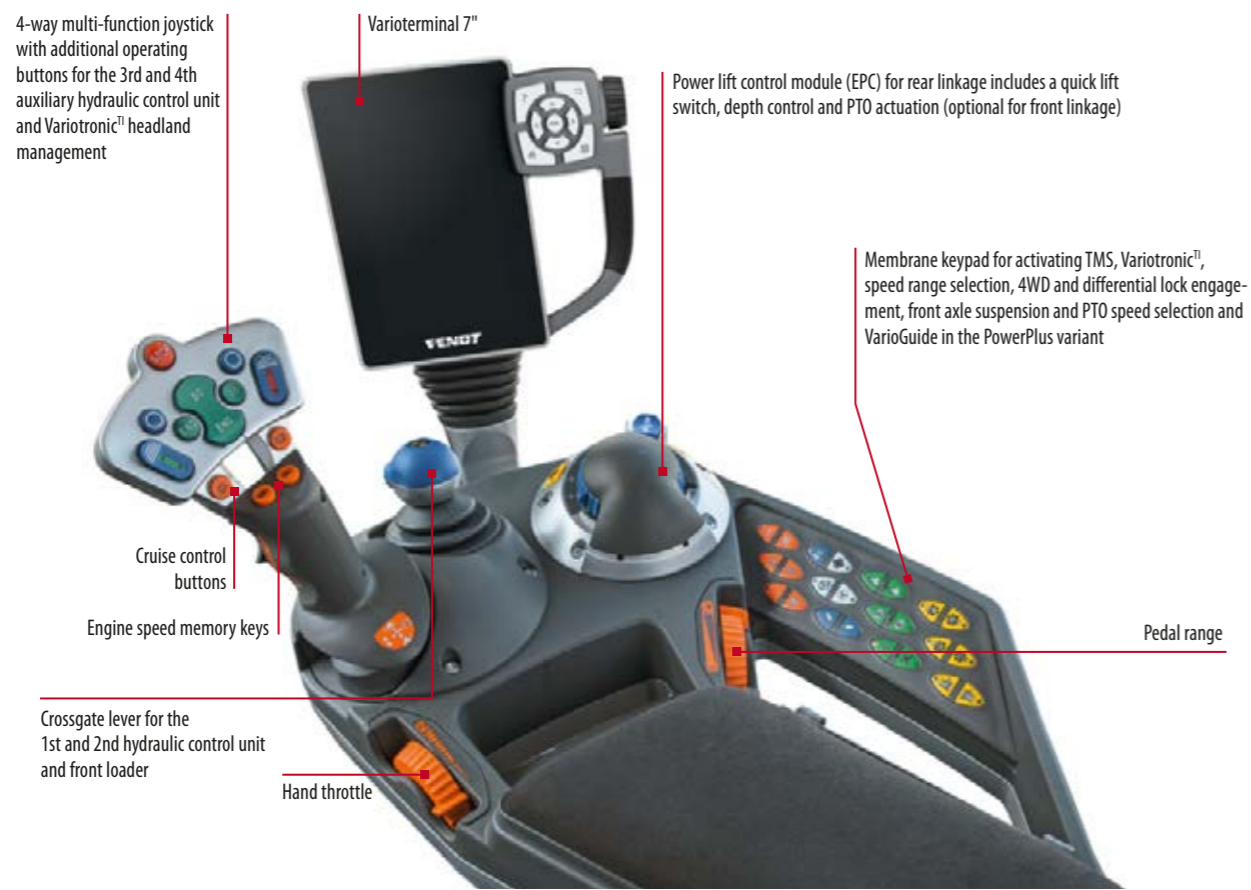
The controls for the front loader are optimally integrated in the overall operating interface on the right armrest and in the Varioterminale: you control the front loader with your right hand on the crossgate lever, your left hand is free for steering and reversing. You control the speed with your foot. With the reverser, you can change driving direction quickly and easily, without wear. The high hydraulic capacity of the Fendt 700 Vario ensures swift loading and unloading: The load-sensing pump delivers up to 193 l/min.

Ideal steering and damping system

Less steering and more fun at work with the front loader thanks to the VarioActive steering. With this superimposed steering system, you can already achieve a full steering angle with just one turn of the steering wheel. The advantages are clear – especially in tight farmyards, but also at the headlands. Add to that the active damping on the front loader: Gas pressure reservoirs absorb vibrations and shock loads so they are not transmitted to the tractor body.

THE FENDT OPERATING CONCEPT

Fendt 700 Vario Power/PowerPlus.



Varioterminal 7"

The new Varioterminal 7" with LED backlighting unites all tractor and implement functions in one terminal. ISOBUS-capable implements can also be controlled directly with the Varioterminal. You will find your way around easily in the flat menu hierarchy and the clear display. Simply touch the corresponding menu item directly on the touchscreen or click a key. The LCD display in smartphone look delivers brilliant colours and a sharp resolution of 480 x 800 pixels. It is extremely scratch-proof and easy to clean. The display dims automatically at night, without blinding.

Everything at hand: Multifunction joystick

With the multifunction joystick, you can control the tractor easily and precisely. The 4-way multi-function joystick accelerates 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 freely assigned with the Varioterminal and triggered by a click on the multi-function joystick.

Fendt 700 Vario Profi/ProfiPlus



4-in-1 Terminal: Varioterminal 10.4"

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

25 implement memories

All settings in the Varioterminal can be saved under a unique name and called up at a later time. For example, if you have set the engine or cruise control speeds, or configured the hydraulics and linkage, these settings can be easily reloaded and adjusted, if necessary. Of course, operators can also save their own custom settings.

THE FENDT VISIOPUS CAB

Because the cab is more than just a workplace



Comfortable entry, optimal suspension, ergonomic arrangement of the operating elements as well as more visibility and space with panoramic front window, 300-degree wiper, LED lighting concept, and much more - that is the Fendt VisioPlus cab.



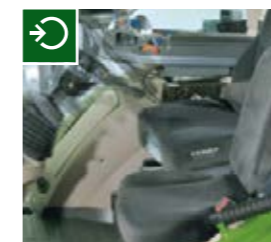
The flexible swan neck microphone enables hands-free phone calls with the best sound-quality.



Numerous sockets are available for external current consumers.



■ Your Fendt cab offers a number of different storage spaces and compartments so everything has its place.



□ The cockpit, including the steering wheel, is individually height-adjustable.



□ In addition to the features of the dual motion comfort seat Evolution, the super comfort seat Evolution dynamic Dualmotion also offers active suspension. The seat cover is available in either a black fabric or black, smooth leather in combination with a leather steering wheel.



□ The air-suspended super comfort seat is equipped with an adjustable backrest, heating, low frequency suspension, pneumatic lumbar support and easy armrest adjustment. A three-point safety belt is available.



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



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



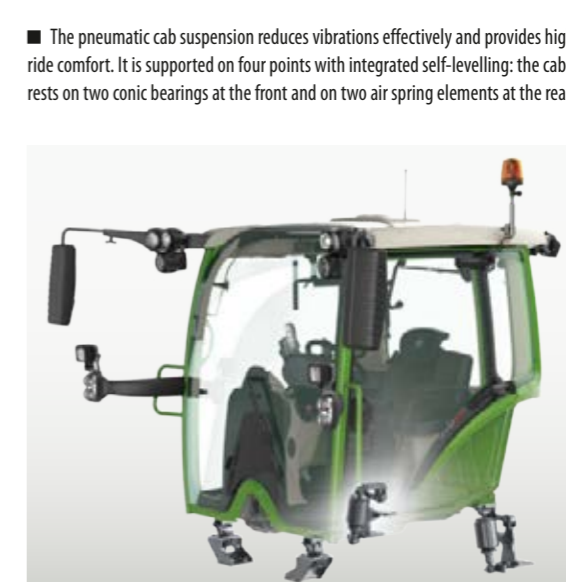
The Varioterminal can be adjusted in all directions thanks to a new bracket with a ball joint.



□ The instructor seat can be folded down into a table with a clamp for documents.



□ The phone bracket can be adjusted to accommodate various phone models.

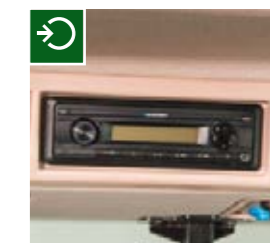


■ The pneumatic cab suspension reduces vibrations effectively and provides high ride comfort. It is supported on four points with integrated self-leveling: the cab rests on two conic bearings at the front and on two air spring elements at the rear.

□ 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-leveling feature. (available for Fendt 700 Vario Profi and ProfiPlus).



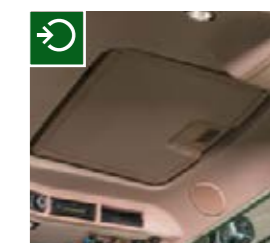
□ The hatch integrated in the roof liner offers additional ventilation on hot days.



□ A radio with CD and MP3 function and four stereo loudspeakers deliver the best sound quality in the cab.



□ The integrated air conditioning ensures optimal cooling – manually controlled in the Power variant, fully automatic control in the Fendt 700 Vario PowerPlus, Profi and ProfiPlus.



□ The hatch integrated in the roof liner offers additional ventilation on hot days.

THE LIGHTING ON THE FENDT 700 VARIO

See more.



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



In night mode, the display is dimmed to keep the lighting at a pleasant level for the operator. Thanks to the alternative display, the settings and icons are easy to see.

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 consumption and a long lifetime



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



□ 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 beams of the work lights cross each other. This prevents all shadows and reflections so operators profit from an optimally illuminated field of vision.

HYDRAULICS AND MOUNTING AREAS

Interfaces at the front:

- Top link
- Unpressurised return front
- Front PTO (1000 rpm)
- Lower link catch hook
- Electrohydraulic front linkage incl. shock load stabilising
- Two double-acting control valves
- 7-pin socket
- shut-off valve
- Fold-up lower links



Interfaces at the rear include

- ISOBUS connection
- Hydraulic top link
- Five double-acting control valves
- Unpressurised return flow
- Air brake
- Pressure and control line power beyond
- Hydraulic trailer brake
- 7-pin socket
- Lower link hook end
- ABS socket
- Rear PTO (540 / 540E / 1000 / 1000E)
- Hitch
- Bottom hitch
- Steering axle automatic



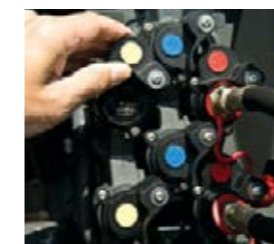
□ Power beyond pressure and control line for efficient drive and control of the implement.



■ The hydraulic connections on the Fendt 700 Vario can always be coupled under pressure (CUP). The double-sided CUP (couple-under-pressure) couplings make mounting and removing the implements much easier.



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



□ The self-closing valve flaps offer secure protection against contamination through dirt or water.



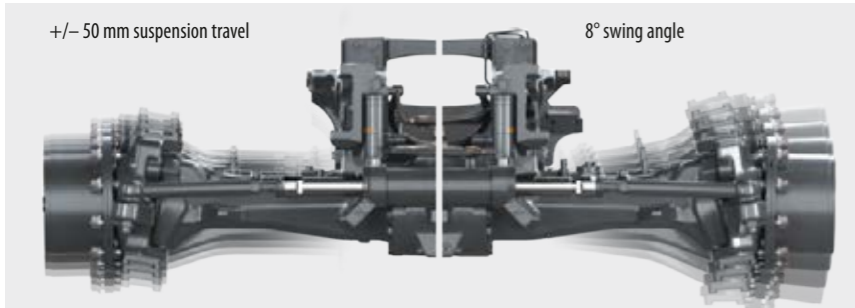
□ ISOBUS socket for connecting implement control.



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

RIDE COMFORT AND HITCH SYSTEMS

Many paths towards a single goal: getting you to your destination quickly and safely.



■ 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 +/- 8° swing angle ensures stability while driving. The 52° steering angle on the front axle guarantees maximum manoeuvrability.



The design of the suspension 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 high-horsepower tractors.



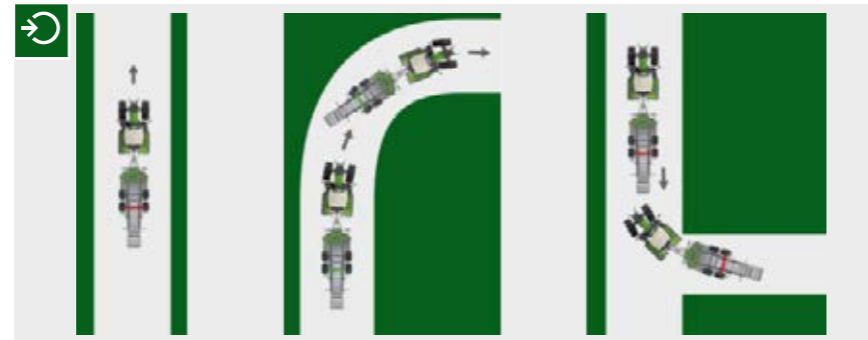
Shock load stabilising prevents the tractor and implement from bouncing by actively counteracting movements using the hydraulics. It reduces pitching movements so you benefit from improved steering safety and higher ride comfort.

Without VarioActive
1x turn of the steering wheel = 26.6°

With VarioActive
1x turn of the steering wheel = 43.3°



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



The optional automatic steering axle lock automatically unlocks the steering axle at a predefined speed on trailers with self-steering 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.

Standard and optional equipment
Standard: ■
Optional: □

EQUIPMENT VARIANTS

Fendt 700 Vario. The perfectionist.

		Power	PowerPlus	Profi	ProfiPlus
Engine	Fuel pre-filter (heated)	□	□	□	□
	Preheater unit (engine, transmission, hydraulic oil)	□	□	□	□
	Exhaust brake	□	□	□	□
Transmission	Shuttle function, stop-and-go function	■	■	■	■
	Acoustic signal when reversing	□	□	□	□
Vario operation	Multi-function joystick with cruise control, engine speed memory, automatic modes, controls for hydraulics	■	■	■	■
	Varioterminal 7 with touchscreen and key control	■	■	■	■
	Varioterminal 10.4 with touchscreen and key control	□	□	■	■
	Variotronic implement control for ISOBUS	□	□	■	■
	Variotronic [®] - Headland Management System	■	■	■	■
	Guidance system VarioGuide NovAtel / Trimble	□	□	□	□
	VarioDoc - documentation system (only with Varioterminal 10.4")	□	□	□	■
	VarioDoc Pro - documentation system / AgCommand™ telemetry system (only with Varioterminal 10.4")	□	□	□	□
	SectionControl	□	□	□	□
	VariableRateControl	□	□	□	□
	VarioActive steering	□	□	□	■
Electronic immobiliser	■	■	■	■	
Without immobiliser	□	□	□	□	
Cab	Active charcoal filter	□	□	□	□
	Pneumatic cab suspension	■	■	■	■
	Pneumatic cab suspension, 3-point with integral self-levelling	□	□	□	□
	Super comfort seat 3-point belt	□	□	□	□
	Comfort seat, air sprung	■	■	■	■
	Super Comfort Seat, air sprung	□	□	□	□
	Super comfort seat Evolution dynamic / CA	□	□	□	□
	Super Comfort Seat Evolution dynamic DuMo/CA	□	□	□	□
	Super Comfort Seat Evolution dynamic DuMo leather / CA	□	□	□	□
	Comfort instructor seat	□	□	■	■
	Air-conditioning	■	■	■	■
	Integrated automatic climate control	□	□	□	□
	Split windscreen and door on right	□	□	□	□
	Continuous windscreen	■	■	■	■
	Rear window heated	□	□	□	□
	Segment wipers front	■	■	□	□
Parallel wipers front	□	□	□	□	
300°-front windscreen wipers (with continuous windscreen)	□	□	■	■	
Rear window wash/wipe	□	□	□	□	
Ext. rearview mirror electrically adjustable and wide-angle mirror heated	□	□	□	□	
Wide-angle mirror	■	■	■	■	
Radio mounting kit with two stereo speakers	■	■	■	■	
Radio CD MP3 hands-free speaking system	□	□	□	□	
Radar sensor	□	□	□	□	
Lighting	Auxiliary lights front	□	□	□	□
	LED corner light	□	□	□	□
	Work lights A-pillar, rear mudguard	□	□	□	□
	Work lights LED A-pillar, rear mudguard	□	□	□	□
	Rear roof work lights 4x	■	■	■	■
	LED rear roof work lights 4x	□	□	□	□
	Front external roof work lights 2x	■	■	■	■
	LED front external roof work lights 2x	□	□	□	□
	Front internal roof work lights 2x	□	□	□	□
	LED front internal roof work lights 2x	□	□	□	□
	LED headlamps with headlamp levelling	□	□	□	□
	LED rear lights	□	□	□	□
	Rotating beacons	□	□	□	□

		Power	PowerPlus	Profi	ProfiPlus
Chassis	Front axle suspension self-levelling, lockable	■	■	■	■
	Steering brake	□	□	□	□
	Pneumatic high-speed dual-circuit braking system 1 pedal	■	■	■	■
	Pneumatic high-speed dual-circuit braking system 2 pedal	□	□	□	□
	Electro-pneumatic handbrake	■	■	■	■
	Automatic trailer steering axle lock	□	□	□	□
	Compressed air system 1-/2- circuit system	■	■	■	■
Compressed air Duomatic coupling	□	□	□	□	
4WD	Rear / front differential with 100% disc locking and steering angle sensors	■	■	■	■
Power lift	Da 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	□	□	□	□
	Electrohydraulic power lift sa (EHR), Hydraulic lower link lateral stabiliser	■	■	■	■
PTO	Front: 1000 rpm	□	□	□	□
	Rear: Flanged PTO 540/540E/1000/1000E rpm	■	■	■	■
Hydraulic system	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 (109 l/min)	■	■	■	■
	Load sensing system with axial piston pump (152 l/min)	□	□	□	□
	Load sensing system with axial piston pump (193 l/min)	□	□	□	□
	Hydraulic power beyond connection	□	□	□	□
	Return rear	■	■	■	■
	Unpressurised rear return flow	□	□	□	□
	Double connect-under-pressure lever couplings rear	□	□	□	□
CUP coupling rear	■	■	■	■	
Bio hydraulic oil	□	□	□	□	
Additional equipment	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	□	□	□	□	
Front loader	Front loader attachment parts	□	□	□	□
	Front loader Cargo 4X/85	□	□	□	□
	Front loader Cargo 5X/85	□	□	□	□
	Front loader Cargo Profi 5X/85	□	□	□	□
	Front loader Cargo 5X/90	□	□	□	□
	Front loader Cargo Profi 5X/90	□	□	□	□

FENDT 700 VARIO

Technical Specifications.



		714	716	718	720	722	724		
Engine	Fendt 700 Vario								
	Rated power ECE R 120	kW/hp	106/144	120/163	133/181	148/201	163/222	174/237	
	Maximum power ECE R 120	kW/hp	110/150	126/171	138/188	154/209	168/228	181/246	
	No. of cylinders	Number	6	6	6	6	6	6	
	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 speed	rpm	2100	2100	2100	2100	2100	2100	
	Max. torque at 1450 rpm	Nm	650	725	804	911	988	1072	
	Torque rise	%	43	40	39	39	39	38	
	Fuel level	litres	400	400	400	400	400	400	
	AdBlue tank	litres	38	38	38	38	38	38	
	Transmission and PTO	Transmission type		ML 140	ML 140	ML 180	ML 180	ML 180	ML 180
		Speed range 1	km/h	0,02-28	0,02-28	0,02-28	0,02-28	0,02-28	0,02-28
Speed range 1 - reverse		km/h	0,02-17	0,02-17	0,02-17	0,02-17	0,02-17	0,02-17	
Speed range 2		km/h	0,02-50	0,02-50	0,02-50	0,02-50	0,02-50	0,02-50	
Speed range 2 - reverse		km/h	0,02-33	0,02-33	0,02-33	0,02-33	0,02-33	0,02-33	
Top speed		km/h	50	50	50	50	50	50	
Rear PTO			540/ 540E / 1000/ 1000E	540/ 540E / 1000/ 1000E	540/ 540E / 1000/ 1000E	540/ 540E / 1000/ 1000E	540/ 540E / 1000/ 1000E	540/ 540E / 1000/ 1000E	
Front PTO option			1000	1000	1000	1000	1000	1000	
Power lift and hydraulics	Variable flow pump	l/min	109	109	109	109	109		
	Variable flow pump option 1	l/min	152	152	152	152	152		
	Variable flow pump option 2	l/min	193	193	193	193	193		
	Working pressure / control pressure	bar	200+20	200+20	200+20	200+20	200+20	200+20	
	Max. valves (front/centre/rear) Power / Power Plus ¹⁾	Number	1/0/4	1/0/4	1/0/4	1/0/4	1/0/4	1/0/4	
	Max. valves (front/centre/rear) Profi / Profi Plus ¹⁾	Number	2/0/5	2/0/5	2/0/5	2/0/5	2/0/5	2/0/5	
	Max. available hydraulic oil volume	litres	64	64	64	64	64	64	
	Max. lift capacity of rear power lift	daN	10360	10360	10360	10360	10360	10360	
Max. lift capacity of front power lift	daN	4418	4418	4418	4418	4418	4418		
Electrical features	Batteries	Number	1	1	1	1	1		
	Battery power	Ah/V	180/ 12	180/ 12	180/ 12	180/ 12	180/ 12		
	Alternator	V/A	14 / 200	14 / 200	14 / 200	14 / 200	14 / 200		
Tyres	Front tyres (standard)		480/70R28	540/65R28	540/65R28	540/65R30	540/65R30	540/65R30	
	Standard tyres rear		580/70R38	650/65R38	650/65R38	650/65R42	650/65R42	650/65R42	
	1. Optional front tyres		540/65R30	540/65R30	540/65R30	600/65R28	600/65R28	600/65R28	
	1. Optional rear tyres		580/70R42	580/70R42	650/65R42	710/70R38	710/70R38	710/70R38	
	2. Optional front tyres		16.9R28	16.9R28	600/65R28	600/65R28	600/65R28	600/65R28	
	2. Optional rear tyres		20.8R38	20.8R38	710/70R38	650/75R38	650/75R38	650/75R38	
	3. Optional front tyres		600/60R28	600/60R28	600/60R30	600/60R30	600/60R30	600/60R30	
	3. Optional rear tyres		710/60R38	710/60R38	710/60R42	710/60R42	710/60R42	710/60R42	
	Dimensions	Front track width (standard tyres)	mm	1950	1950	1950	1950	1950	
Rear track width (standard tyres)		mm	1920	1920	1920	1920	1920		
Overall width with standard tyres		mm	2550	2550	2550	2550	2550		
Overall length		mm	5240	5240	5240	5240	5240		
Overall cab height with standard tyres without VarioGuide		mm	3050	3050	3050	3050	3050		
Overall cab height with standard tyres with VarioGuide		mm	3099	3099	3099	3099	3099		
Max. ground clearance ²⁾		mm	506	506	506	506	506		
Wheelbase		mm	2783	2783	2783	2783	2783		
Weights	Unladen weight (base tractor with cab - full tanks, without driver)	kg	7735	7735	7790	7980	7980		
	Max. permissible overall weight	kg	12500	12500	14000	14000	14000		
	Max. trailer hitch load	kg	2000	2000	2000	2000	2000		

1) = can also be used as single-acting 2) = with 710/70R38 tyres

FAQ. EVERYTHING ABOUT FENDT.

What can we do for you?

What makes Fendt Service different?

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

What is the Fendt one-terminal concept?

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

Can I update Variotronic?

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

What is Fendt Expert?

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

What is Fuse™?

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

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

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