

**FENDT**



Fendt  
**600 Vario**

Leaders drive Fendt.

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Fendt is a worldwide brand of AGCO.  
All details regarding scope of delivery, appearance, performance, dimensions and weights, fuel consumption and running costs of vehicles reflect the latest information available at the time of print. These may change by the time of purchase. Your Fendt dealer will be happy to inform you about any changes. The vehicles shown do not feature country-specific equipment.

1,350 rpm

at a speed of 50 km/h

10.2 m

Track circle with four-wheel drive

5.8 t

Payload

10

independent hydraulic valves



# Fendt 600 Vario

## Naturally superior



The Fendt 600 Vario combines the power, stability and torque of a 6-cylinder engine with the efficiency and manoeuvrability of a 4-cylinder engine. Together with the single-stage VarioDrive technology and independent four-wheel drive, this combination sets new standards in the medium performance segment. The neutral DLG PowerMix test demonstrates the outstanding overall efficiency of the Fendt 600 Vario series. This reduces operating costs by up to 8% compared to the comparable predecessor models of the Fendt 700 Vario Gen6. The profi trade magazine also praises it in its 06/2025 issue: "The new 600 has what it takes. Not only the performance values from its four cylinders, but also comfort and operating variance reach a new level." With up to 224 hp and its outstanding efficiency, the Fendt 600 Vario is the ideal all-rounder for modern operations – a real game changer.

### Areas of application



Arable



Transport



Grassland



Front loader work



Local Authority



# Highlights of the Fendt 600 Vario

1

## Engine & fan

The Fendt 600 Vario scores with the powerful AGCO Power CORE50 engine and the Fendt iD low speed concept for maximum fuel efficiency. HVO suitability, maintenance-free hydro tappets and quiet running make it particularly sustainable and reliable. The optional reversible fan ensures clean cooling – ideal for dust-intensive applications.

2

## Fendt DynamicPerformance (DP)

With Fendt DynamicPerformance, the Fendt 600 Vario receives up to 15 hp added power – automatically and exactly when secondary consumers such as fans or hydraulics require more power. This ensures constant work performance and higher efficiency – reliably and as required for every application.

3

## Single-stage VarioDrive

With VarioDrive, front and rear axles are driven independently. This ensures torsion-free four-wheel drive, the best manoeuvrability and simultaneous ground protection. Torque distribution automatically shifts the torque to the axle with the best grip, for optimum traction in any situation.

4

## Superior manoeuvrability even with four-wheel drive

With a track circle of only 10.2 m and the “pull-in turn” effect of the VarioDrive drive, the Fendt 600 Vario masters tight corners particularly easily. Its compact design ensures high mobility, traction and precise manoeuvring – ideal for front-loading work.

5

## More traction, less consumption – with Fendt VarioGrip

The fully integrated Fendt VarioGrip tyre pressure regulation system is also available in the Fendt 600 Vario. Tyre pressure can be conveniently adjusted via the terminal – for optimum traction, up to 8% more area performance and fuel savings\*. At the same time, the ground and tyres are protected.

\*South Westphalia University of Applied Sciences; Agricultural Economics Soest



6

## Assistance systems for more safety

The Fendt 600 Vario offers clever assistance systems such as the trailer brake assistant, the wear-free hydraulic auxiliary brake, the automatic parking brake and the automatic steering axle lock on trailed implements. They ensure greater safety during transport travel, stability on the slopes and noticeable relief when manoeuvring.

7

## Suitable for heavy-duty for payload, axle and support loads

With a payload of up to 5.8 t and a permissible overall weight of 13.5 t, the Fendt 600 Vario offers impressive reserves for heavy implements and demanding applications. The basis for this is the intelligent lightweight construction concept, which is impressive with its significantly increased axle and support loads – both with a sliding carriage and with a fixed implement. Whether seed drill combinations with a front tank, mower combinations with large outer width, transport with tipping trailer and 4 t support load or use with fertilizer spreaders: The Fendt 600 Vario stands for uncompromising performance and maximum operational safety.

8

## FendtONE driver's workstation

With the FendtONE workstation in the Fendt 600 Vario, working becomes even more comfortable. The individually configurable terminal offers an intuitive user interface that adapts perfectly to the driver's needs. All operating elements are ergonomically combined in the armrest – for greater efficiency and overview. FendtONE onboard in the tractor and offboard in the office form a consistent, digital working environment. Regular software updates with new functions ensure future security and value retention.



# Future-proof total package

The Fendt 600 Vario is a tractor for every application – without compromise. It skilfully shows its strengths both on the field, in grassland, during front-loader work and on the road.

## Efficiency and ground protection combined in agricultural farming

The Fendt 600 Vario brings together maximum efficiency and ground protection on the field. Thanks to the powerful AGCO Power CORE50 4-cylinder engine and the Fendt iD low-speed concept, it is particularly fuel-efficient. Its low power-to-weight ratio, the fully integrated VarioGrip tyre pressure regulation system and the independent four-wheel drive system with VarioDrive sustainably protect the ground.

The category 4 cabin air filtration from the factory enables safe use with pesticides, while the FendtONE operating concept ensures an optimal overview and intuitive operation.

## Maximum performance with minimum load on the sward

In grassland, the Fendt 600 Vario increases the area performance thanks to its high payload of up to 5.8 t – thus even larger mowing combinations can be moved safely and legally. At the same time, it protects the sward with the relieving front power lift and the VarioGrip tyre pressure regulation system. The torsion-free VarioDrive four-wheel drive ensures perfect traction and soil-friendly work even on tight corners. The optional window made of laminated safety glass (LSG) protects the driver during mowing and mulching work and significantly reduces the noise in the cab.

## Fendt 600 Vario & Fendt Cargo front loader

The Fendt 600 Vario is perfect for front-loader work: With a vertical field of view of 77°, the control via cross shift lever or 3L-Joystick and exceptional manoeuvrability, it offers ideal conditions for precise work. The high hydraulic output of up to 205 l/min ensures powerful movements. A separate valve block with 2 to 3 independent valves enables parallel operation of up to 3 functions simultaneously. The new Fendt Cargo front loader is impressive with a lifting capacity of up to 3,525 kg, an excavation height of 4.50 m and intelligent Fendt Cargo Profi equipment for maximum efficiency and comfort.

## Fuel-efficient and low-wear transport

The Fendt 600 Vario is made for demanding transport tasks. Thanks to the VarioDrive drive, the Fendt iD low speed concept and the VarioGrip tyre pressure regulation system, it is particularly fuel-efficient and low-wear. Its exceptionally high effective payload and axle loads combined with the high support loads of up to 4 t at the low end enable perfect power with safe, legal transport. Assistance systems such as Fendt Reaction steering, trailer brake assist, wear-free hydraulic auxiliary brake and automatic parking brake provide additional safety – when manoeuvring with a team, on slopes and on the road.



## Perfect equipment for municipal applications

The Fendt 600 Vario offers optimum visibility in any weather – with powerful LED spotlights and heated panes and mirrors. The suspended front axle with level control, an efficient air conditioning system and the ergonomic driver's seat with 3-point harness ensure high driving comfort in year-round use. Daytime running lights, automatic brake light control and modern assistance systems are available for road safety. Further advantages are the relieved front and rear power lift control, the suitability for bio-hydraulic oil, HVO suitability and the continuous right side window for work with e.g., extension mower – the Fendt 600 Vario is a versatile all-rounder for municipal tasks.



# Move a lot with a **little fuel**



**1,900 rpm**  
Low rated speed

## Smart extra: Fendt DynamicPerformance (DP)

With the Fendt DynamicPerformance added power concept, the Fendt 600 Vario has up to 15 hp more power for increased productivity and efficiency. Unlike classic boost concepts, Fendt DynamicPerformance provides performance automatically and without limitation, when secondary consumers such as fans, compressed air supply, air-conditioning or the hydraulic pump need additional power. Fendt DP delivers these in a targeted and situational manner, thus ensuring consistent work performance and productivity. The additional horsepower is also available at low speeds in soil cultivation, in transport or for PTO work when stationary with a slurry mixer, feed mixer or wood chipper. More performance used efficiently – targeted and reliable in every application.

## Strong performance at low speed

The AGCO Power CORE50 engine in the Fendt 600 Vario combines 5.0 l cubic capacity, four cylinders and the Fendt iD low speed concept for maximum efficiency, liveliness and smooth running. It has already impressively proven its performance with a particularly high torque of 950 Nm. Outstanding performance and consumption values could be measured in neutral DLG measurements on behalf of the profi trade magazine. In field use, the Fendt 620 Vario achieved an impressively low fuel consumption of 245 g/kWh. In transport, the Fendt 620 Vario delivered with a significantly low value of just 309 g/kWh at 40 km/h. This makes this tractor the pioneer in terms of economy, and it is still particularly quiet. The low speed range from 850 to 1,900 rpm ensures particularly quiet, fuel-efficient operation. Maintenance-free hydraulic tappets reduce service costs and helps for a low-vibration operation. In addition, the engine for the use of HVO fuels has been approved in accordance with DIN EN 15940 – an important contribution to CO<sub>2</sub> reduction and more sustainable agriculture.

The profi trade magazine is also convinced: “[...] the Fendt is on average more than 10 – 15% more economical than all previous test candidates for mixed work and in the partial load range.” – profi about the 620 Vario (06/2025).



## Efficient cooling concept with demand control and reversible fan

The intelligent cooling concept with a suction fan and an electronic viscous fan clutch ensures that the fan speed is controlled as required and optimises cooling performance by minimising the gap. Each cooler can control the fan separately, which lowers the base speed and reduces fuel consumption. The optional reversible fan function enables independent cleaning of the radiator grille and can be controlled manually or automatically via the terminal. Particularly advantageous in dusty conditions, the integration into the Fendt TI headland management system offers maximum convenience and ensures optimal cooling capacity, high fuel efficiency and minimised radiator contamination.

## Outstanding efficiency in the field and record levels in transport

In the independent DLG PowerMix test, the Fendt 600 Vario has impressively proven what it is capable of: with a remarkably low consumption of only 245 g/kWh diesel and 29.3 g/kWh AdBlue, the Fendt 620 Vario shows its high efficiency in the field. The Fendt 620 Vario delivers even more impressively in transport. With a fuel consumption of only 309 g/kWh (34.9 g/kWh AdBlue) at 40 km/h, the Fendt 620 Vario achieves the peak value of its class with steplessly variable transmission.\*

In addition to its outstanding efficiency, the neutral testers of the profi trade magazine come to the following conclusion: “The 600 Vario will be a crowd favourite. The strengths of the tractor (overview, manoeuvrability, comfort and diesel consumption) fit perfectly with an all-rounder in this performance class.” – profi (06/2025)

With a diesel price of €1.60/l and the AdBlue price of €0.64/l, the Fendt 620 Vario can save more than 5,000 operating hours of up to €17,900. Additional maintenance advantages such as the extended transmission oil change interval of 4 years or 4,000 operating hours also contribute to the economic efficiency.

\*DLG PowerMix Test Report No. 7547, lowest values ever measured for all DLG-tested tractors up to 240 hp with steplessly variable drive

# VarioDrive – Now also available in the medium power range

VarioDrive has revolutionised the drivetrain of tractors. With the Fendt 700 Vario, the Fendt 600 Vario and the fourth generation of the Fendt 500 Vario, this technical innovation has now fully arrived in the medium performance segment. The single-stage VarioDrive drive with independent, torsion-free four-wheel drive stands for the perfect symbiosis of maximum traction, best soil protection and outstanding manoeuvrability. The pull-in turn effect reduces the turning circle by up to 10%, enabling easier and more precise manoeuvring. Fendt Torque Distribution provides permanent tractive power by intelligently shifting the torque to the axle with the best grip.

## Automatically optimal – with automatic maximum load 2.0 and TMS

With the advanced automatic maximum load 2.0 in combination with the Tractor Management System (TMS), work is always done in the optimum performance range. The TMS automatically adjusts the engine speed and the gear ratio optimally, while the maximum load control determines how far the speed may drop at maximum under load before the transmission adjusts. All you have to do is set the desired speed – the system takes care of the rest automatically. The result: noticeable fuel savings, higher efficiency and convincing work results.

## Customer benefits with VarioDrive

- Maximum comfort due to elimination of the driving range shifting
- Independent drive of front and rear axle
- Torsion-free 4WD through separate drive of the front axle
- Driver relief: no manual four-wheel drive switching necessary
- Optimum engine-transmission matching in conjunction with Fendt iD low-speed concept
- Smallest possible turning radius with independent four-wheel drive due to pull-in turn effect, optimal for front loader work
- Gear oil change only every 4 years / 4,000 operating hours

## Advantages of TMS and automatic maximum load 2.0

- TMS regulates the transmission setting and engine speed so that the tractor works in the most fuel efficient way
- Fully automatic adjustment of the load limit and thus the engine load
- Reach and maintain the target speed more quickly
- More dynamic driving under load
- Higher driving comfort through perfect coordination with optimum consumption

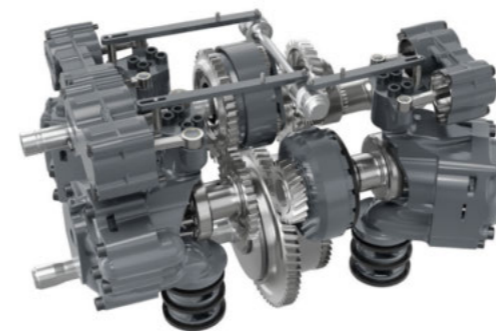


## Maintenance of the transmission

The concept of the Fendt 600 Vario is designed for low running costs. The tractor has separate transmission and hydraulic oil pans, which prevents the oils from mixing and prevents dirt from entering the transmission. A transmission oil change is only required every 4,000 operating hours or every 4 years, which significantly reduces maintenance costs.

## Benefits

- Separate reservoirs for transmission and hydraulic oil: no dirt deposits get in the transmission from contaminated hydraulic fluid
- Low maintenance costs, fewer downtimes due to long maintenance intervals
- Simplified diagnostic option that reduces time and costs



See the benefits of VarioDrive at a glance.



# Powerful hydraulic system

The working hydraulics of the Fendt 600 Vario offer maximum performance and efficiency. With two pump variants – 152 or 205 l/min flow rate – and a removable oil quantity of 65 litres, the tractor is ideal for implements with high oil consumption. The electric load sensing pump ensures precise control and optimum oil supply. The separate hydraulic and transmission oil reservoirs with heat exchanger concept enables full biohydraulic oil suitability and protects against oil mixing. Extensive adjustment options via the terminal as well as the ergonomic arrangement of the operating elements ensure maximum operating comfort. The hydraulic oil preheating ensures quick operational readiness, even in cold weather.

## Powerful working hydraulics

Depending on the equipment variant, up to 10 double-acting valves are available – up to 5 in the rear, 2 in the front and 3 arranged in the centre above the dust-protected multi-coupler. The flow rates are up to 170 l/min in the rear and 120 l/min in the front. The valves are individually adjustable and offer functions such as float position, time control and can be integrated into the Fendt TI headland management. UDK, DCUP and FFC couplings (with additional relief levers) enable convenient coupling under pressure, supported by colour-coded and neatly arranged connections with self-closing valve caps. Operation is intuitive via multifunction levers, crossgate levers, linear modules or the 3L-Joystick, which can be individually assigned. The external operation of the additional control units is available on both sides and can even be freely assigned. Long oil change intervals of up to 2,000 operating hours or two years ensure minimum maintenance costs and maximum operational readiness.

## Advantages of hydraulic system

- High pump capacity of 152 up to 205 l/min for work with high oil volume at low engine speed
- Low maintenance costs due to long oil change intervals
- Up to 2,000 hrs oil change interval (not bio-oil) under normal operating conditions with Profi/Profi+ thanks to electronic oil filter monitoring
- Very good response of the steering, even when operating in parallel mode
- High removable amount of oil for secure supply of large consumers
- Use of bio-hydraulic oils supported due to separate oil reservoir
- No oil mixing between hydraulics and transmission reservoirs
- Outstanding ease of use
- Fast full functionality, even in cold weather



## Powerful loading and precise control with Fendt Cargo

With the Fendt Cargo and the intelligent Fendt Cargo Profi front loader, the Fendt 600 Vario is ideally equipped. The Fendt Cargo shines in easy handling, tool-free attachment and detachment thanks to Cargo Lock and multi-coupler as well as sensitive control via crossgate lever or the 3L-Joystick. For the highest demands, the Fendt Cargo Profi front loader also offers smart functions such as the integrated weighing function, lift height limiter and a memory function for arm and tool positions. With a lifting capacity of up to 3.5 t and an lifting height of 4.5 m, it delivers powerful performance for demanding front loader work – precise, efficient and perfectly matched to Fendt tractors.



# Strong, precise and comfortable

## Intelligent front power lift

The double-acting front power lift has a separate valve and offers a maximum lifting capacity of 4,400 daN. It is fully integrated into the waisted half frame – the short front projection ensures optimum manoeuvrability and driving stability. The lower links have easy and tool-free folding and are removable. Vibration dampening and easy operation via the power lift control module and the terminal ensure maximum driving and working comfort. Thanks to the position control with rotary wheel, the depth of the working tool can be conveniently adjusted. Optionally, there is a front power lift with additional relieving control. The implement attachment is facilitated by external actuation and the optional front camera. In addition to the two front power lifts, you can also select a comfort ballast holder.

## Comfort front power lift with position control and relief control

The comfort front power lift with position control and relief control ensures optimum work results. The load or relief pressure can be set between 3 and 100 bar via the terminal. The active and dynamic control system starts at 0.6 km/h – without any additional relief suspension. The result: higher forage quality, lower contamination and improved tracking accuracy even on slopes due to targeted weight transfer to the front axle.

## Benefits

- Attachment follows the ground contour precisely at a continuous height for work that's gentle on the implement and saves fuel
- No need to install or adjust relief springs
- Exceptionally easy to use with settings on the terminal
- Best traction and directional stability the weight transferred from the implement to the front axle increases traction and prevents drift on the hillside
- Mower/mulcher: Protects the sward for optimised forage quality due to lower dirt content. Does not pierce into the sward
- Implement combination with front packer/front tank: best traction, steering capability, track following, clean, controlled levelling and compaction across the entire working width
- Winter work with a snow plough: constant field pressure control for uniform clearing results
- Reduced equipment wear and soil protection



## Stable rear power lift

The rear power lift is convincing with intelligent technology for precise and comfortable working: A lifting capacity of up to 9,790 daN at the coupling point, 10 t axle load, optional double-acting lifting cylinders and position control and relief control stand for performance and optimum work results. Active vibration dampening ensures stability – even when driving with heavy implements. The electronic hoist control (EHR) with two storage locations, external operation on both sides and load-compensated lowering enable convenient operation and use. This not only makes every task at the rear easier, but also noticeably safer and more productive.

## Lower link with parking position.

The tool-free height setting of the lower link is done by changing one bolt and pushing the lower link up until it engages. This shortens the lifting struts and brings the lower link into the parking position. This creates 15 cm more clearance between the lower link and the PTO/drawbar and ensures superior manoeuvrability in the team.

## Advantages of the lower link with parking position

- Superior manoeuvrability with implement pairings due to larger steering angle
- Damage to safety-relevant components (PTO/drawbars) is prevented
  - More safety
  - Less downtime
  - Less in repair costs
  - Tool-free conversion

## Four-speed PTO – efficient and flexible

The standard four-speed PTO (540/540E/1000/1000E rpm) enables flexible use with a wide range of requirements. Thanks to the ECO and power PTO, the speed can be optimally adjusted to the respective implement – for maximum efficiency and reduced fuel consumption at the same time. In addition, a 1000 rpm front PTO can be installed. The PTO mode at constant speed and variable driving speed ensures maximum area performance. The electro-hydraulic preset is integrated into the FendtONE operating concept and offers a high level of comfort. In addition, controls on both rear fenders make it easier to handle outside the cab.

## Automatic function and stationary mode

The automatic function of the PTO facilitates operation in everyday working life. Switching on and off can be assigned to buttons on the speed control lever and happens automatically at pre-defined positions of the power lift. In stationary mode, a preset engine speed can be activated when externally operated, e.g., when filling a slurry tanker – without getting into the cab.



# Security and stability

## Maximum manoeuvrability with independent four-wheel drive

The Fendt 600 Vario is impressive with a track circle of only 10.2 m for 540/65 R30 tyres – ideal for front loader work and other tight applications. Thanks to independent four-wheel drive via the VarioDrive and the “pull-in turn” effect, the front axle is actively pulled into the turn, resulting in a significantly smaller turning circle – without damaging the soil with minimal tyre abrasion. The compact design and the swivelling fenders enable maximum flexibility and time savings for every manoeuvre.

## Safe braking – completely relaxed

With the pneumatic, sensitive two-circuit brakes, the Fendt 600 Vario brakes safely and in a controlled manner – even with heavy loads. The special braking system with compressed air system and low-wear coverings ensures short braking distances and low pedal pressure. The handbrake is also pneumatically controlled and the optional automatic function provides even more safety.

## Trailer brake assist: Full support for downhill driving

The Trailer brake assistant stabilises the team with a pneumatically braked trailer in critical situations. It continuously monitors the degree to which the trailer is pushed onto the tractor and automatically adjusts the brake pressure without having to press the brake pedal. Overall, the trailer brake assist ensures safe and relaxed driving behaviour with a trailer.

## Additional braking force without wear

The hydraulic auxiliary brake of the Fendt 600 Vario uses the existing hydraulic circuit to create an additional braking effect when decelerating or driving downhill – without any wear of the service brake. It is activated conveniently via a foot switch or a button on the armrest. Especially with heavy trailer loads, it provides an increase in safety. At the same time, the operating brake is protected, which leads to lower maintenance costs in the long term. This means that the tractor remains safe and controlled at all times, even for demanding transport tasks.



## A tractor with countless possibilities

The Fendt 600 Vario offers a wide range of different trailer systems in the trailing slide and in the bottom hitch. From the factory, the Fendt 600 Vario can be equipped with large tyres up to 1.95 m at the rear (650/65 R42 or optional 710/70 R38) and up to 1.60 m in the front (540/65 R30 or optional 600/65 R28) for optimum traction with minimal ground pressure. The large contact surface improves the tractive power, new hybrid tyres provide flexibility in changing conditions. The concept is supplemented by the highest axle and support loads, even with flexible ballast – fully roadworthy, without speed limits or number plate requirements. This keeps the Fendt 600 Vario efficient, manoeuvrable and soil-friendly – on any surface.

## More tractive power, less consumption – with VarioGrip

The fully integrated tyre pressure regulation system Fendt VarioGrip is available for flange and stub axles and enables quick tyre pressure adjustment – even for twin tyres. Rotary entries enable internal laying of the cables, so they are effectively protected against damage. For the front and rear axles, two pressure values can be stored and called up while driving.

The system increases traction by up to 10%, reduces fuel consumption by up to 8%\* and protects the ground and tyres, thereby minimising wear. Operation is conveniently done via the terminal.

\*South Westphalia University of Applied Sciences; Agricultural Economics Soest

# VisioPlus Cab

A large part of the working day in agriculture takes place on the tractor – all the more important is a workstation that offers more than just functionality. The Fendt 600 Vario is equipped with a generous panoramic window, which allows an impressive vertical field of view of 77°. Ideal for precise work with the front loader even at overhead height without contorting yourself to keep a view. Areas outside the direct field of vision are reliably covered by electrically adjustable and heated exterior mirrors as well as the front and rear cameras. When it rains, the 300° window wipers provide a perfect view of the wheel inlets and the area directly in front of the tractor. Even in the dark, the overview is maintained thanks to sophisticated, fade-free and shadow-free crossover illumination of the work lights. Fogged up windows are a thing of the past: The heated front window made of laminated safety glass (LSG) ensures a clear view at all times. At the same time, it offers optimum protection for stone chips and contributes to a calm and pleasant indoor climate thanks to the additional noise insulation.

## 300°

Wiper field front window wiper



### Benefits

- Exclusive 300° clear view on front window and a 97° wiper on the right side window
- Washing nozzle integrated in the wiper arm
- No shadowing, e.g., from exhaust or hood of cross-illuminated work lights
- Maximum safety thanks to viewing the front and rear workspace thanks to hood and rear cameras
- Cab designed for long periods of use
- Comfortable sun shading through window-wide roller blinds
- Air conditioning concept especially for very hot regions for excellent cooling

### Highest driving and working comfort

The cab suspension of the Fendt 600 Vario offers two variants: a standard suspension with cone bearings at the front and pneumatic suspension elements at the rear and a comfort option with 3-fold pneumatic suspension. Both variants are supported behind the rear axle, which enables better suspension behaviour when braking and accelerating. The suspension has integrated levelling and brake and pitch compensation. The suspension concept consists of a perfect interplay of cab, seat and front axle suspension as well as vibration suspension on front and rear power lift. This ensures maximum driving comfort – even during long working days and in demanding conditions.

### The premium driver's seat

Among the 6 seat variants of the Fendt 600 Vario, the Titanium SuperComfort seat in leather design ensures maximum comfort. In addition to multi-level seat heating and seat ventilation, it also offers a massage function. The backrest, side bolsters and lumbar support of the seat as well as the longitudinal adjustment can be adjusted electrically via buttons on the seat. Further comfort functions can be conveniently operated and set in the terminal. The individual driver settings are stored in the respective user profile thanks to the integrated memory function.





### Three cab variants and cable entry

The Fendt 600 Vario offers three sophisticated cab variants that adapt perfectly to your individual requirements: The VisioPlus panoramic cab is impressive with a continuous front window and right cab side for maximum visibility. If you also want a door on the right, you will find the perfect solution in the panoramic cab VisioPlus with right door – with doors on both sides for even more flexibility and easy cleaning. The standard cab VisioPlus offers a right-opening door and an adjustable front window with two sturdy handles – for optimum ventilation and ease of use. All variants score with a clever cable entry: Three integrated, dust-proof feed-throughs below the rear window ensure a clean cab, better noise insulation and an orderly cable routing thanks to the bracket in the C-pillar. This way, everything stays where it belongs – safe and clear.

### Best visibility even at night

The illumination of the Fendt 600 Vario can be individually configured – from daytime running lights to powerful LED work lights with up to 4,000 lumens per spotlight. High-performance reflectors ensure glare-free illumination, while thermal management and vibration-resistant design ensure a long service life. Two light settings can be stored and can be easily accessed via the reversing lever or the terminal. Features such as the Coming-Home lights, the illuminated entry into the cab and the LED all-round lighting increase safety and comfort – even in the dark.



### Bonnet and rear camera

The hood and rear cameras of the Fendt 600 Vario ensure maximum safety and good insight into the front and rear attachment area and make it much easier to attach implements. The bonnet camera is elegantly integrated in the Dieselross emblem on the front of the vehicle and fits seamlessly into the design. The rear camera is well protected on the cab roof, directly below the vehicle number plate. Their sharp image provides both cameras with a reliable view into the front and rear works areas – for safe and efficient manoeuvring and working in all conditions.

### Infotainment

The infotainment system in the Fendt 600 Vario offers state-of-the-art technology for entertainment and communication. It includes a hands-free system with optimally distributed microphones, excellent radio reception and the connection of external audio sources via Bluetooth, USB or AUX. Operation is intuitive via the terminal or the rotary dial on the armrest. Two sound systems are available – up to the 4.1 system with subwoofer for rich sound and the best listening experience in the cab.

### Pesticides with Category 4 cab with the best possible user protection

The Fendt 600 Vario can be equipped with an exchangeable filter system according to EN15695, which provides protection against dust, aerosols and vapours. The Fendt 600 Vario thus fulfils all requirements for the application of pesticides that require a category 4 cab. The driver is reliably protected in pesticide applications and wearing personal protective equipment in the cab is not required.



### Maximum customisability and intuitive operation with FendtONE

The Fendt 600 Vario combines modern technology with a well thought-out operating concept that offers maximum comfort and maximum adaptability. The modular combination of up to 3 display options, depending on the equipment variant – consisting of a digital 10" dashboard, a 12" terminal in the armrest and partially retractable 12" terminal on the right side in the roof liner – enables individual display and real-time synchronisation of all relevant functions. The content can be flexibly moved between the displays and displayed as required. The freely programmable armrest with multifunction lever, crossgate lever or 3L-Joystick and 14 function keys allows a personal configuration without additional controls. In addition, up to 4 linear modules and the operating modules for front and rear power lifts are integrated.

A logical colour concept supports intuitive operation: each function group is colour-coded, freely assignable buttons automatically adapt when the function is changed. Two LEDs per button give visual feedback on function and status – for maximum overview and safety. Thanks to individual user profiles and the consistent FendtONE operating philosophy – from the driver's workstation to the office – the Fendt 600 Vario is optimally tailored to the requirements of modern agriculture and ready for the future.



### Benefits

- All functions can be operated via the central armrest, no external terminals or joysticks are required
- System instructions are displayed intelligibly and directly
- Future-proof through powerful computing unit and regular software updates
- FendtONE enables in-depth individualisation of operation and function settings for best ergonomics
- Uniform operating logic between FendtONE onboard (tractor) and offboard (office) – no re-accustomisation required



### 3L-Joystick – full control on three levels

The 3L-Joystick for Power+ Setting 2, Profi Setting 2 and Profi+ Setting 2 enables the convenient operation of hydraulic functions and parallel operation of up to 3 front loader functions (raising, tilting and, e.g., gripping), or Fendt Cargo Profi functions. A reversing button saves reaching and facilitates change of direction. In addition, it is fully ISOBUS capable. Up to 27 functions can be distributed on three operating levels – individually adaptable with colour feedback. For more safety, the entire joystick can be locked to avoid unintentional operation. Ideal for demanding applications with high functional requirements.



### Multifunction levers – everything to hand

The multifunction lever in the Fendt 600 Vario combines central driving functions in a logical arrangement. Reversing, cruise control and driving speed can be controlled as usual via both avenues. A rotary wheel allows you to adjust the cruise control speed while driving. In addition, four buttons for operating headland management, 5 freely assignable buttons and 2 proportional rockers for individual functions are available. Important gearbox functions such as TMS or speed memory are clearly arranged in the lower area. The central position of all operating elements ensures less reaching and more comfort in everyday work.



# One thing is simple: FendtONE

## ■ Consistent operating philosophy

FendtONE's first holistic operating approach on the market enables seamless use without having to switch between different media.

## ■ Freely programmable control panel

The buttons can be freely assigned and customised via the Individual Operation Manager (IOM).

## ■ Terminal network

The first operating concept on the market with a terminal network and central computing unit enables real-time synchronisation of content on the dashboard and terminal.

## ■ Unique colour concept

The logical and dynamic colour concept with different function groups and functions provides an optimum overview.



onboard

offboard

## FendtONE onboard – the driver's workplace in the cab

With FendtONE onboard, operating the machines is easier than ever before. Various technical functions combined with the high level of comfort of the cab make your day-to-day work in the field easier – for example with different guidance types or the machine control options. Get an overview of the FendtONE driver's workplace spotlights now.

### Machine control

The FendtONE machine control system optimally integrates the tractor and implement, which facilitates precise control of part-width sections and pinpoint cultivation of partial areas. This maximises operator comfort, saves operating inputs and reduces the driver's workload thanks to an intuitive operating system.



### Guidance system

Track guidance with FendtONE ensures precise machine operation and sustainable soil protection by automatically keeping the machine on the desired track. This reduces the driver's workload, lowers operating costs and saves time, especially on long working days.



When technology and comfort become one.

## FendtONE offboard – digital recording, analysis and management of data

Your business generates valuable data for the documentation and optimisation of machines, personnel and operating resources. The seamless recording and visualisation of data is essential for this. FendtONE offboard\* simplifies planning and documentation by wirelessly transferring standardised data to the portal. A simple and intuitive introduction to digital documentation and machine operation.

\*Please note that FendtONE offboard is not currently available in all countries.

### Agronomy

FendtONE enables seamless agronomy through the automatic documentation of field data collected during field work. This data is transferred to a farm management system, which ensures complete documentation and future-proofing while saving time in the office.



### Telemetry

Telemetry with FendtONE enables real-time monitoring and analysis of machine data, ensuring optimal fleet management and breakdown prevention. This data not only helps you, but also your service partner with diagnostics and maintenance, allowing better logistics and service decisions to be made.



When farm planning and management become one.



# So that your farm keeps running!

You must be able to rely on your agricultural machinery. However, something unforeseen can always happen. To keep your farm running, your Fendt Service Partner is available for you, especially during the harvesting season. This means you don't lose any valuable time in the field or during transport.

+44 330 123 9909



## Fendt Care service packages – The best for your agricultural machinery

Benefit from the optimum operational readiness of your Fendt agricultural machine with full cost control even beyond the statutory warranty period. Fendt Care membership offers you customised contracts for maintenance and repair cover. You choose exactly the service package and term that suits you. If you wish, you can secure all repair risks and shorten repair times by allowing your dealer remote access to the machine data via Fendt Connect. Fendt offers you the longest coverage in the tractor market and the most comprehensive agricultural machinery insurance in the industry. The advantages of Fendt Care are obvious: your risk is minimised, the costs are calculable and you have full planning security.

**Find your perfect Fendt Care tariff!**



## AGCO Finance – Your partner for the growth of your business

When deciding whether to rent, finance or lease, we provide you with complete support based on decades of experience. And Fendt Service is also there for you in your day-to-day work: to keep costs calculable, we offer you customised maintenance and service offers that go far beyond the statutory warranty.



## Spare parts – Genuine original parts, without compromise

To ensure that your Fendt remains 100% a Fendt, your Fendt Sales partner only installs genuine parts. These have a proven standard of quality and are safety-tested.

This pays off in many ways:

- 12-month warranty on Fendt original parts and their installation
- Operational reliability at the highest level – Top value retention
- Quickly on the spot in an emergency.

**During the harvesting season, your Fendt Sales partner is available seven days a week and around the clock. In the event of a machine breakdown, the technician will be at your site within a short time and will repair your machine as quickly as possible.**

Please note that the availability of Fendt Service Packages varies from country to country.

## Demonstration service – Test it yourself

Would you like to see for yourself how our agricultural machinery performs in the field? This is possible with the Demo service. After a short briefing from your dealer, you can test how the new tractor or harvester performs in everyday use on your own farm. After all, you know best what the new machine needs to be able to do.

**Arrange a demonstration immediately!**



# Technical specifications and equipment variants

		614 Vario	616 Vario	618 Vario	620 Vario
<b>Engine</b>					
Rated power	kW/hp	110/149	124/169	139/189	154/209
Maximum power	kW/hp	110/149	124/169	139/189	154/209
Maximum power with DP ECE R 120	kW/hp	121/164	135/184	150/204	165/224
Cubic capacity	cm³	5017	5017	5017	5017
Rated speed	rpm	1900	1900	1900	1900
Max. Torque	Nm	793	861	904	950
Fuel level	litres	347.0	347.0	347.0	347.0
AdBlue tank	litres	36.0	36.0	36.0	36.0
Exhaust gas treatment		SCR+DPF	SCR+DPF	SCR+DPF	SCR + DPF
<b>Transmission and PTO</b>					
Transmission type		TA 150	TA 150	TA 150	TA 150
Speed range forward	km/h	0,02 - 50	0,02 - 50	0,02 - 50	0,02 - 50
Speed range reverse	km/h	0,02 - 33	0,02 - 33	0,02 - 33	0,02 - 33
Top speed	km/h	50	50	50	50
Rear PTO		540/540E/1000/1000E	540/540E/1000/1000E	540/540E/1000/1000E	540/540E/1000/1000E
Front PTO option		1000	1000	1000	1000
<b>Power lift and hydraulics</b>					
Variable flow pump	l/min	152	152	152	152
Variable flow pump option 1	l/min	205	205	205	205
Max. valves (front/centre/rear) Power	number	1/2/4	1/2/4	1/2/4	1/2/4
Max. valves (front/centre/rear) Power+	number	1/2/5	1/2/5	1/2/5	1/2/5
Max. valves (front/centre/rear) Profi / Profi+	number	2/3/5	2/3/5	2/3/5	2/3/5
Max. available hydraulic oil volume	litres	65	65	65	65
Max. lift capacity of rear power lift	daN	9790	9790	9790	9790
Max. lift capacity of front power lift	daN	4418	4418	4418	4418
<b>Electrical features</b>					
Battery power	Ah/V	180/12	180/12	180/12	180/12
Alternator	V/A	14/220	14/220	14/220	14/220
<b>Tyres</b>					
Front tyres (standard)		540/65 R28	540/65 R28	540/65 R28	540/65R30
Standard tyres rear		650/65 R38	650/65 R38	650/65 R38	650/65R42
1st option for front tyres		540/65 R30	540/65 R30	540/65 R30	600/65R28
1st option for rear tyres		650/65 R42	650/65 R42	650/65 R42	710/70R38
<b>Dimensions</b>					
Overall width with standard tyres	mm	2550	2550	2550	2550
Overall length	mm	5197	5197	5197	5197
Total height of driver's cab with standard tyres without Fendt Guide	mm	3035	3035	3035	3076
Total height of driver's cab with standard tyres with Fendt Guide	mm	3082	3082	3082	3125
Max. ground clearance	mm	498	498	498	530
Wheelbase	mm	2720	2720	2720	2720
Small turning radius with standard tyres	m	9.6	9.6	9.6	10.1
<b>Weights</b>					
Operating weight (incl. common accessories - +/- 5%)	kg	7620	7620	7620	7740
Max. permissible overall weight	kg	13500.0	13500.0	13500.0	13500.0

	Power	Power+	Profi	Profi+
<b>Engine</b>				
Low-speed concept Fendt iD	■	■	■	■
Reversible fan	□	□	□	□
Fuel pre-filter (heated)	□	□	□	□
Preheater unit (engine, transmission, hydraulic oil)	□	□	□	□
<b>Transmission</b>				
VarioDrive with variable torque distribution between the front and rear axle	■	■	■	■
VarioDrive, single-stage, with independent all-wheel drive	■	■	■	■
Shuttle function, stop-and-go function	■	■	■	■
<b>Guidance system</b>				
Guidance system basic package	■	■	■	■
Standard Trimble / NovAtel	□	□	□	□
RTK Trimble / NovAtel	□	□	□	□
TI Headland (TI Auto & TI Turn Assistant)	□	□	□	□
Contour Assistant	□	□	□	□

	Power	Power+	Profi	Profi+
Implement Slope Compensation	□	□	□	□
<b>Agronomy</b>				
Agronomy basic package	■	■	■	■
<b>Telemetry</b>				
Telemetry basic package	□	□	□	■
Smart Connect	□	□	□	■
<b>Machine control</b>				
Machine control basic package	■	■	■	■
Front implement control	□	□	□	□
Section Control	□	□	□	□
Variable Rate Control	□	□	□	□
Fendt Implement Management (TIM)	□	□	□	□
Fendt Implement Management (TIM-Steering)	□	□	□	□
<b>Vario operation</b>				
Multi-function joystick with cruise control, engine speed memory, automatic modes, controls for hydraulics	■	■	■	■

	Power	Power+	Profi	Profi+
3L joystick	□	□	□	□
Individual Operation Manager – flexible key assignment	■	■	■	■
Digital Dashboard	■	■	■	■
12" terminal with touchscreen and key control	■	■	■	■
Second 12" terminal in roof	□	□	□	□
Fendt Active steering	■	■	■	■
Electronic immobiliser	■	■	■	■
Without immobiliser	□	□	□	□
<b>Cab</b>				
Active charcoal filter	□	□	□	□
Category 4 cab air filter system	□	□	□	□
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	□	□	□	□
SuperComfort Seat Titanium Leather/DL Electric	□	□	□	□
SuperComfort Seat Titanium / DL	□	□	□	□
SuperComfort Seat EvolutionUp DuMo / DL	□	□	□	□
Comfort instructor seat	■	■	■	■
Air-conditioning	■	■	■	■
Integrated automatic climate control	□	□	□	□
Climate-controlled storage compartment	■	■	■	■
Cooler and thermal box	□	□	□	□
Split windscreen and door on right	□	□	□	□
One-piece windscreen and door on right	□	□	□	□
Front windscreen laminated safety glass, heated	□	□	□	□
Rear window heated	□	□	□	□
Roller shade rear	□	□	□	□
Segment wipers front	■	■	■	■
Segment windscreen wiper / 2 wiper fields - 180/300 degrees (continuous windscreen)	□	□	■	■
Rear window wash/wipe	□	□	□	□
Side window wash/wipe system right	□	□	□	□
Comfort mirror + clearance light	□	□	□	□
Retractable comfort mirror + clearance light	□	□	□	□
Roof mounted rear camera	□	□	□	□
Hood mounted front camera	□	□	□	□
Terminal bracket	□	□	□	□
Universal mobile phone holder	□	□	□	□
Two additional coaxial speakers	□	□	□	□
Infotainment bundle + 4.1 sound system	□	□	□	□
4 camera connections	□	□	□	□
4 USB ports	□	□	□	□
EC tachograph standard	□	□	□	□
Fendt Reaction steering system	■	■	■	■
Radar sensor	□	□	□	□
Self-cancelling indicators	■	■	■	■
Electric battery disconnect switch	□	□	□	□
Floor mat	□	□	□	□
<b>Lighting</b>				
Low beam and high beam	■	■	■	■
Low beam and high beam LED	□	□	□	□
Auxiliary lights front	□	□	□	□
Auxiliary LED lights at front	□	□	□	□
Work lights A-pillar, rear mudguard	□	□	□	□
Work lights LED A-pillar, rear mudguard	□	□	□	□
Roof rear work lights / 2 pairs	■	■	■	■
Roof rear LED work lights / 2 pairs	□	□	□	□
Working lights roof front LED / 2 pair	□	□	□	□
Roof front working lights / 2 pair	□	□	□	□
Working lights bonnet top LED	□	□	□	□
LED rear lights	■	■	■	■
Daylight running light	□	□	□	□
LED rotating beacons	□	□	□	□
Chrome package	□	□	□	□
<b>Chassis</b>				
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	□	□	□	□
Hydraulic auxiliary brake	□	□	□	□
Automatic trailer steering axle lock	□	□	□	□
Trailer brake assistant	□	□	□	□
Compressed air Duomatic coupling	□	□	□	□
VarioGrip tyre pressure regulation system	□	□	□	□
<b>4WD / differential locks</b>				
Smart 4-wheel drive	■	■	■	■
Rear / front differential with 100% disc locking and steering angle sensors	■	■	■	■

	Power	Power+	Profi	Profi+
<b>Power lift</b>				
Single-action Comfort front power lift with position adjustment and external controls	□	□	□	□
Comfort front power lift da, with position control and relief control, external controls	□	□	□	□
Electrohydraulic power lift sa (EHR), with external controls	■	■	■	■
EHR power lift double acting with external actuation, relief control	□	□	□	□
<b>PTO</b>				
Front: 1000 rpm	□	□	□	□
Rear: Flanged PTO 540/540E/1000/1000E rpm	■	■	■	■
External controls for rear PTO	■	■	■	■
<b>Hydraulics</b>				
EHS valve actuation linear module	□	□	■	□
External control for hydraulic control unit at rear	□	□	□	□
Load sensing system with axial piston pump (152 l/min)	■	■	■	■
Load sensing system with axial piston pump (205 l/min)	□	□	□	□
1st and 2nd EHS valve at rear	■	■	■	■
3rd EHS valve at rear	■	■	■	■
4th EHS valve at rear	□	□	□	□
5th EHS valve at rear	□	□	□	□
1st front EHS valve	□	□	□	□
2nd front EHS valve	□	□	□	□
Hydraulic power beyond connection	□	□	□	□
Hydraulic connection Power-Beyond FFC	□	□	□	□
Return Front	□	□	□	□
Flat-face hydraulic couplings (FFC)	□	□	□	□
Double connect-under-pressure lever couplings rear	□	□	□	□
CUP coupling rear	■	■	■	■
Bio hydraulic oil	□	□	□	□
<b>Additional equipment</b>				
Manual hitch	□	□	□	□
Automatic trailer hitch with remote control, rear	■	■	■	■
Ball coupling, height adjustable	□	□	□	□
Ball coupling, short, in the bottom hitch	□	□	□	□
Ball coupling, long, in the bottom hitch	□	□	□	□
Hitch	□	□	□	□
Drawbar	□	□	□	□
Piton-fix	□	□	□	□
Comfort ballast for front-end weight (not available with front power lift)	□	□	□	□
Front weights, various sizes	□	□	□	□
Wheel weights, rear wheels	□	□	□	□
Forced steering (one or two-sided)	□	□	□	□
Pivoting front wheel mudguard	■	■	■	■
ABS trailer sockets	□	□	□	□
<b>Front loader</b>				
Front loader attachment parts	□	□	□	□
Mounting parts 3. valve for FL	□	□	□	□
Fendt Cargo 4.85	□	□	□	□
Fendt Cargo 4.85 3rd valve	□	□	□	□
Fendt Cargo 5.85	□	□	□	□
Fendt Cargo 5.85 3rd valve	□	□	□	□
Fendt Cargo 5.85 Profi	□	□	□	□
Fendt Cargo 5.85 Profi - 3rd valve	□	□	□	□
Fendt Cargo 5.90	□	□	□	□
Fendt Cargo 5.90 3rd valve	□	□	□	□
Fendt Cargo 5.90 Profi	□	□	□	□
Fendt Cargo 5.90 Profi - 3rd valve	□	□	□	□
Working lights front loader LED	□	□	□	□
Multi hose coupl. FL	□	□	□	□
FL - Multiple coupl./tool 3rd circuit + 3rd valve for FL	□	□	□	□
Suspension system DA	□	□	□	□
FL - hydr. attachment lock	□	□	□	□



As of 17.09.2025, the current technical specifications can be found here: [fendt.com/600-vario-data](https://fendt.com/600-vario-data)



# FENDT



Leaders drive Fendt.



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