



FENDT

Fendt 600 Vario





Fendt 600 Vario.

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|------------------|-----------------------|
| 4 At a glance. | 36 Cab. |
| 6 Spotlights. | 46 Smart Farming. |
| 10 Engine. | 60 Front loader. |
| 16 Transmission. | 64 Technical Details. |
| 22 Hydraulics. | 68 Fendt Services. |
| 28 Structure. | 74 Awards. |



At a glance.

Fendt 600 Vario – Naturally superior.

- Power segment 149 – 209 hp (+15 hp for each model thanks to the DynamicPerformance additional performance concept)
- New generation engine from AGCO Power – AGCO Power CORE50:
 - First 4-cylinder engine with up to 224 hp incl. DynamicPerformance
 - 5.0 l capacity
 - Full of power, acceleration and torque
- VarioDrive drive train (TA 150) with variable four-wheel drive and intelligent longitudinal differential
- Fendt iD low-speed concept (nominal speed: 1,900 rpm)
- Extremely low fuel consumption thanks to technology from the large tractor sector
- Outstanding manoeuvrability: turn radius of only 10.2 m with 540/65 R30 tyres
- New front loader generation: Fendt CargoProfi 4.85, 5.85 and 5.90
- Integrated tyre pressure control system VarioGrip – unique in the 150 - 210 hp class
- High payload of up to 5.8 t – extremely low power-to-weight ratio of only 34 kg/hp
- High payload/operating weight index of 75% – (5.8 t payload / 7.7 t operating weight)
- High ground clearance of up to 55 cm
- 60" track
- VisioPlus cab with optional cat. 4 filter protection function according to EN15695*: Protection against dust, liquid crop protection agents and their vapours
- Outstanding overview with composite 3 systems: 77% upward viewing angle, 72% all-round visibility index as well as windscreen wipers with up to 300 degrees (front) and 97 degree side wipers
- FendtONE operating philosophy:
 - FendtONE driver workplace (onboard)
 - Planning and management functions with FendtONE offboard
- Trailer Brake Assist (TBA) for increased safety
- Four-speed rear PTO

		614 Vario	616 Vario	618 Vario	620 Vario
Rated power with DP ECE R 120 /	kW/hp	121/164	135/184	150/204	165/224
Maximum power with DP ECE R 120					



Fendt 600 Vario Spotlights.

Here you will find unique Fendt solutions, the so-called Fendt Spotlights, which make all the difference to you and make your working day go much faster.



5 points that make the difference.



2. Unmatched payload, manoeuvrability and performance in the 200 hp compact – standard tractor class

- **Lightweight frame concept designed for maximum strength** allows a payload of 5,800 kg, unprecedented in the 200 hp class, with a minimum unladen weight of 7,700 kg. This results in the outstanding payload/unladen weight index of 75%.
- **Reduction of the power-to-weight ratio** to 34.4 kg/hp compared to 39.2 kg/hp on the 720 Vario 6th generation.
- **Best manoeuvrability** with a turn radius of 10.2 m with permanent four-wheel drive with independent control of the front and rear axles.
- **Pull-in turn effect** pulls the machine into the turn during turning manoeuvres instead of the negative influence on the turning circle caused by conventional rigid four-wheel drive. Easy to use thanks to smart and automatic power distribution with maximum soil protection during grassland and front loader work.

1. Completely new intelligent stepless drive technology VarioDrive for perfect drive on any surface – Previous opposites united

- **Compact, lightweight and economical 4-cylinder engine** – The 620 Vario's maximum torque of up to 950 Nm at 1,200 – 1,600 rpm is well above the average of current comparable 6-cylinder engines in the 200 hp class.
- **Combination of low-speed, low-rev concept (Fendt iD) with comprehensive DP added performance concept** and maximum availability of additional power via Dynamic Performance.
- **Efficient drive train** with permanent four-wheel drive for maximum tractive power and superior ground protection on any surface.
- **Fully integrated tyre pressure regulation system (VarioGrip)** for up to 10% more tractive power* and 8% less fuel consumption* in the field and utilisation of existing tyre technology on both flanged and stub axles.



* Investigation at the South Westphalia University of Applied Sciences of Agricultural Economics in Soest - VarioGrip - Save more than just money with the right tyre pressure - YouTube <https://www.fendt.com/de/landmaschinen/traktoren/fendt-600-vario-vario-grip>

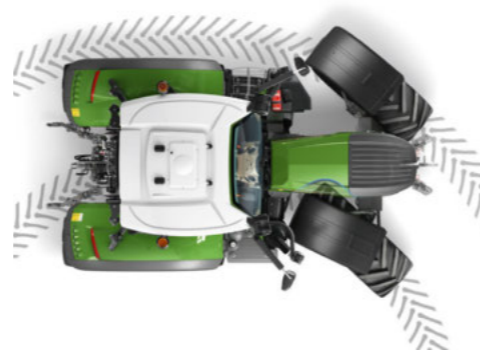


3. FendtONE operating system with comprehensive sensor technology that grows with the user:

- **Highest flexibility** when equipping the tractor through Smart Feature Unlock – retrofitting software over the air according to the current operating conditions
- **Future-proof** by incorporating new functions even after purchase (e.g., retrofitting of Section Control track guidance software if required – vehicle grows with you and remains up-to-date)
- **Very simple and intuitive documentation** via identical interfaces in the office and in the field through FendtONE onboard and offboard

4. Pioneering workplace with superior visibility and safety concept

- 77 degree upward viewing angle, driver all-round vision index of 72 %, low-vibration and quiet workplace
- Trailer brake assistant for more safety with pneumatically braked trailers
- ErgoSteer joystick steering for fast turning manoeuvres and relaxed working on headlands and front loader work



- Cat. 4 cab protection concept ex works with filter protection function according to EN15695*: Protection against dust, liquid crop protection agents and their vapours
- Compact vehicle with short front projection for maximum visibility and safety in road traffic

5. Best overall package in a compact tractor for universal use in grassland, arable farming, front loader and transport

- Lightweight basic vehicle with maximum payload and outstanding manoeuvrability
- VarioDrive with permanent, tension-free four-wheel drive: perfect symbiosis of maximum tractive power and superior ground protection on any surface without tension and stress for the driver
- Perfect drive train from a single source with engine, transmission and hydraulics for the lowest total costs per operating hour thanks to Fendt iD low-speed concept, VarioDrive and VarioGrip tyre pressure regulation system
- Best overview with 77 degree viewing angle and 72 % all-round vision index





Engine.

A completely newly developed engine is under the bonnet of the Fendt 600 Vario. Thanks to pioneering technology, maximum torque is achieved at a low 1,200 – 1,600 rpm – impressive performance with remarkable fuel efficiency.



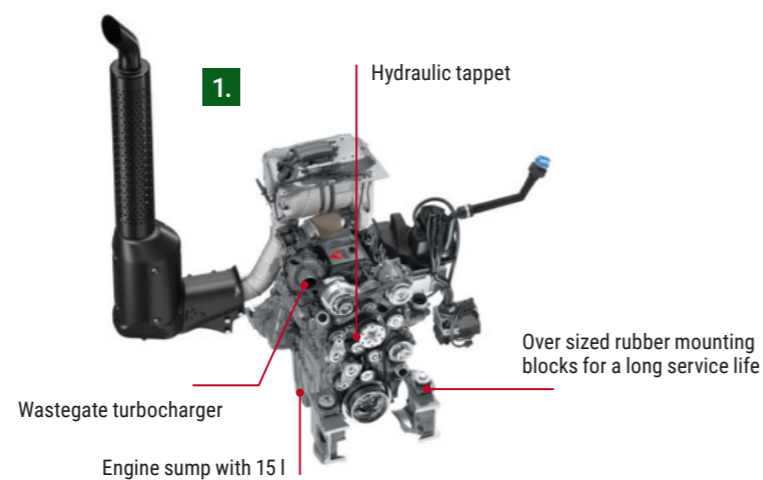
1. Features

- New engine generation: AGCO Power CORE50 – 5.0 litre capacity; 4-cylinder CORE engine family is approved for alternative fuels according to DIN EN 15940 (HVO, etc.)
- Fendt iD technology (low speed concept) – speed range from 800/950 rpm (idling) to 1,900 rpm (rated speed)
- DynamicPerformance concept for all models
- Electronically controlled wastegate turbocharger
- Compliance with the limit values for exhaust gas regulations Stage V (EU) and TIER 4 final, as well as LRC

- Hydraulic tappet for automatic valve lash adjustment and smooth, low-vibration engine running
- Common rail system with up to 2,500 bar injection pressure
- Engine oil sump with a volume of 15 litres (for comparison: 17 litres on the Fendt 700 Vario Gen6)
 - Oil service interval: every 500 hr
 - Elimination of the 50 h initial oil change interval

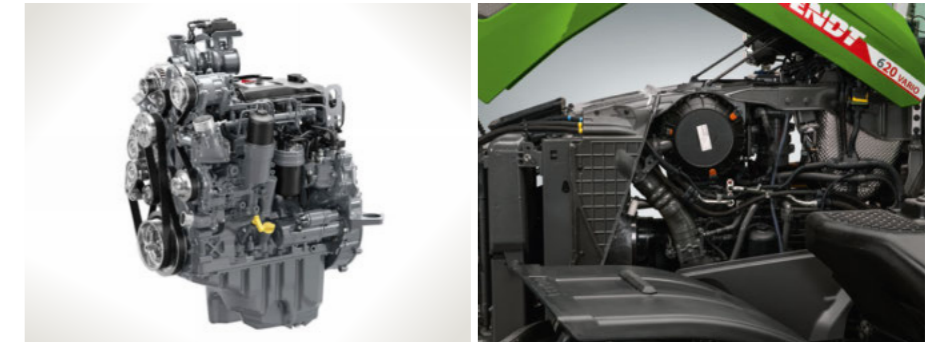


- + Very high power reserves
- + Maximum fuel efficiency through low speed concept
- + Quiet and fuel-saving idling
- + Low noise level of the engine
- + Reduced maintenance thanks to hydraulic tappets



Power/torque

- Intelligent additional performance concept DynamicPerformance (DP) on all models with up to 15 hp extra performance
- Fendt iD low-speed concept: high torque of 950 Nm even at low engine speeds
 - Speed range: of only 800 - 1,900 rpm
 - Low rated speed of 1,900 rpm for low fuel consumption, low noise level and less wear
 - Full torque curve and full torque from 1,200 rpm
- Engine perfectly matched to VarioDrive drive train
- Max speed at reduced engine speed:
 - 40 km/h at 1,100 rpm
 - 50 km/h at 1,300 rpm
 - Max. driving speed is achieved close to the tractor's optimum consumption level
- Fendt 600 Vario therefore is also ideal for transport work



2. Emission stage V (EU) / emission standard TIER 4 final

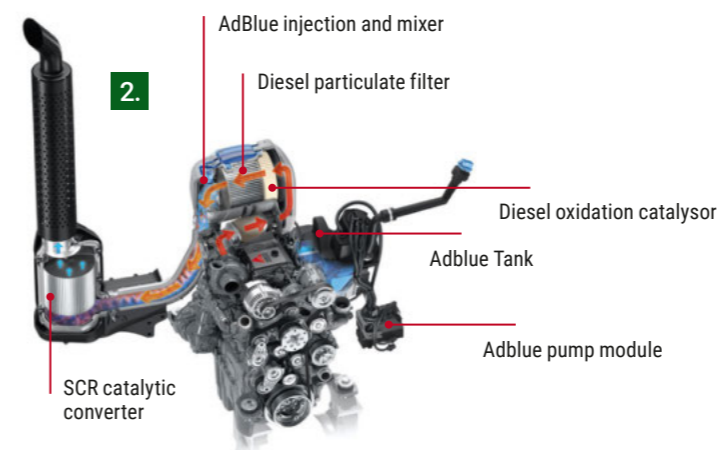
- Exhaust gas treatment with;
 - Diesel Oxidation Catalysor (DOC)
 - Diesel Particulate Filter (DPF)
 - Selective catalytic reduction (SCR) with AdBlue
- Omission of exhaust gas recirculation
- SCR catalytic converter with optimised visibility positioned in front of the right-hand A-column

High-performance filter

- Efficient, proven round filter technology
- Safety element/cartridge centrally located in the round filter
- Optimised airflow for low losses and low air heating
- Degree of soiling is displayed in the terminal
- Display of the water level in the coolant tank via the terminal



- + Long filter life due to pre-separation
- + Maintenance-friendly due to long filter service life, very good accessibility and display in the terminal
- + Low susceptibility to dirt due to coarse dirt extraction
- + High engine efficiency due to low air heating and low differential pressures





Fendt DynamicPerformance

Intelligent multi-performance concept

Fendt DynamicPerformance (DP): intelligent extra power concept that compensates for power losses and ensures consistent work performance.

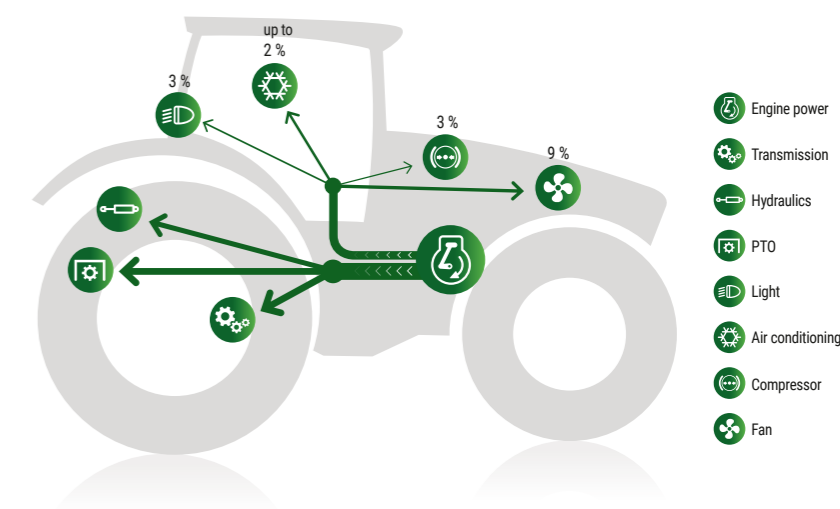
>> 15 hp more power for all Fendt 600 Vario models

Requirements for an intelligent multi-performance concept:

- Engine power must feed numerous auxiliary consumers in addition to main consumers: whether in tillage, PTO work, transport or PTO work when stationary

Known boost concepts with numerous restrictions in practical use only available in narrowly defined application situations:

- Not designed for continuous operation, not in stationary operation, e.g., diet feeder mixer wagon
- Boost power is only available under certain, limited conditions, e.g., from certain driving speeds, activated PTO shaft, etc.



Power distribution - main and auxiliary consumers

Main consumer:

- Tractive power at the wheels
- PTO shaft that drives corresponding devices
- Hydraulic pump that drives equipment or controls functions

Secondary consumers:

- Fan
- Air-conditioning
- Alternator
- Air compressor

>> Power demand from auxiliary consumers reduces the available power for traction, PTO and hydraulic work

Operational advantages

- Lighter tractor with higher power + 15 hp
- Intelligent, sensor-controlled solution independent of fixed parameters, such as speed
- Additional availability of the intelligent extra power even when cultivating the soil at low speeds and when stationary compared to conventional boost concepts
- More area output due to higher driving speed
- Less fuel consumption per ha

>> Higher productivity for all models

1. Cooling concept: suction fan

- Electronic visco-fan clutch controls fan speed as required
- Minimum clearance between fan blades and cover
- Cooling management: each cooler can control the fan separately
- No cooling reserves, which means lower ground speed
- Reversible fan function an option

2. Adjustable reversible fan function

- Independent cleaning of the radiator grill
- Reversing by adjusting the blades (Hägele system)
- Control via oil medium instead of air medium
- Normal operation: normal direction of rotation
- Control and regulation via terminal:
 - Manual: Activating the reversible fan function in the terminal
 - Automatic: interval-controlled - programmable in the terminal depending on time



- + Optimal for dusty conditions, e.g. mowing, straw baling, non-agricultural use
- + Automation: interval-controlled reversible fan function possible - time-dependent programmable in the terminal
- + Maximum comfort through integration in the Fendt TI headland management system
- + Highest fuel efficiency also with the reversible fan by adapting the cooling capacity to the demand of the individual units



- + Maximum efficiency with minimal clearance
- + Air flow adapts to cooling needs of the individual cooler to cool components in the most efficient way possible
- + Low fan speed with low cooling demand - low fuel consumption
- + Low noise level
- + Low cooler contamination



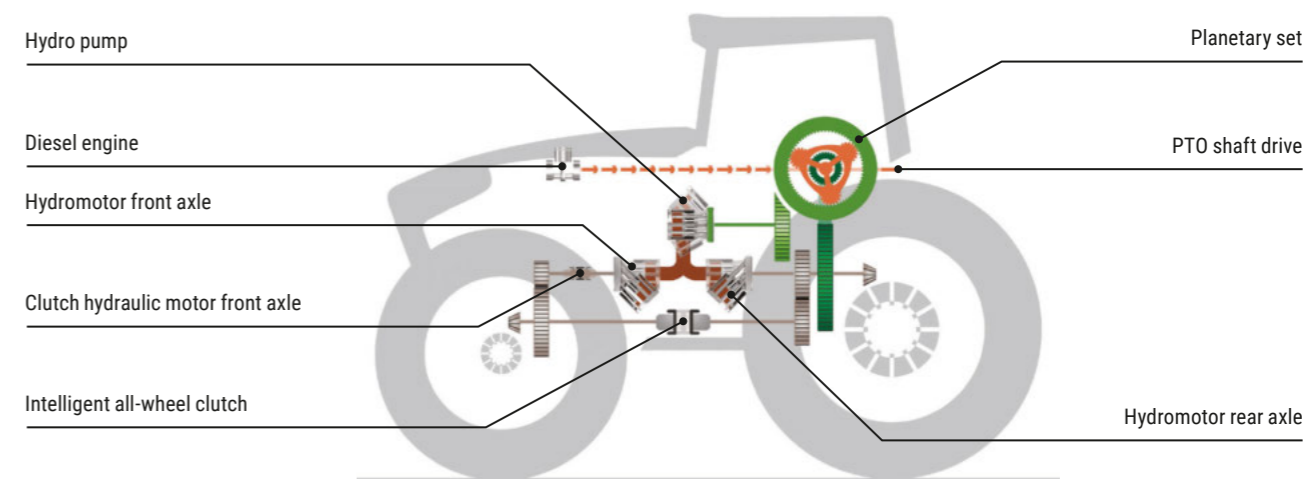


Transmission.

Fendt VarioDrive – the revolutionary further development of the proven Vario transmission. Unique thanks to independent drive of front and rear axle, intelligent four-wheel drive, elimination of drive range shifting and much more, and much more.



VarioDrive design



VarioDrive drive train

- Revolutionary further development of the proven Fendt Vario transmission
- Well-known and 100% proven in the large tractors Fendt 700 Vario Gen7, 900 Vario and 1000 Vario
- With the Fendt 600 Vario (TA 150 with 3 hydrostats) available for the first time in the medium power class
- Perfect combination of maximum tractive power, maximum ground protection, tension-free and outstanding manoeuvrability in every situation.
- No travel range switching
- Stepless traction drive from 20 m/h to 50 km/h (at reduced engine speed)
- Separate hydraulic motors for front and rear axle, which act on the respective axle
- Fully automatic power distribution between front and rear axle with intelligently controlled, independent four-wheel drive:

- Improved handling on slippery surfaces due to sensitivity control
- More soil protection at the headland – sward protection in grassland for better forage quality
- Pull-in-turn effect for best manoeuvrability when cornering, pull-in turn pulls the machine into the curve during turning manoeuvres instead of the negative influence of conventional rigid four-wheel drive on the turning circle
- Easy to use thanks to smart and automatic power distribution with maximum soil protection during grassland and front loading work
- Less tyre wear compared to classic four-wheel drive, because there is no tension in the drive train due to independent control

Manoeuvrability pull-in turn – independent four-wheel drive

- The front axle "pulls" the tractor around the curve and achieves a "pull-in turn" effect
- A comparable vehicle has a 10% larger turning radius in the field without VarioDrive (see red line in the graphic)
- Always the smallest turning radius with full traction on the front axle
- Facilitates e.g. turning at the headland
- Less manoeuvring due to always optimal turning radius

Permanent tractive power: Independent four-wheel drive due to Fendt Torque Distribution – field use

- Traction always where it is needed. Torque is dynamically distributed via Fendt Torque Distribution to front and rear axles depending on ground conditions
- Permanent, torsion-free four-wheel drive thanks to separate drive of the front axle
- Four-wheel clutch closes during heavy towing work (detection via transmission pressure)
- The driver's workload is reduced, as they no longer have to engage and disengage the all-wheel drive
- When driving around an obstacle or cornering, always applies full traction to the front axle

Improved comfort, more driving safety – Focus on the essentials

- No travel range switching; entire power range is travelled through in one travel range
- Manual four-wheel drive shifting no longer required
- No tension in the drive train
- Intelligently controlled all-wheel clutch independently adjusts the tractive force distribution without the driver having to intervene
- Significantly increased sward protection for better forage quality
- Relief of the driver, because you're automatically always with the best drive technology
- VarioDrive with permanent four-wheel drive: perfect symbiosis of maximum tractive power and superior ground protection on any surface without tension and stress for the driver



1. Full road capability

- Lightweight base vehicle for high payload with up to 5.8 t payload
- 40 km/h at 1,100 rpm, 50 km/h at 1,300 rpm, thus predestined for e.g., transport work, fast and cost-saving
- Torsion-free all-wheel drive, even on the road and when cornering
- No loss of power between front and rear axle, thus less tyre wear and fuel consumption
- Automatic comfort with perfect four-wheel drive technology: single-stage driving concept without shifting
- More usable power from 25 km/h by decoupling hydraulic motor and front axle
- Further technologies for increased performance and safety in transport

- Comprehensive chassis and safety concept with parking brake
- Fendt Reaction steering for maximum steering precision, driving stability and braking safety
- Dual-circuit braking
- TBA - Tractor Brake Assist
- Tyre pressure regulation system for adjusted air pressure and fuel savings
- Parking brake
- Assistance system for brake light and deceleration



Benefits

- + Front and rear axle are driven independently
- + No manual all-wheel drive, driver is relieved of workload
- + Hydromotor on the front axle is swung back at approx. 25 km/h and is decoupled
- + Optimum engine-transmission matching in conjunction with Fendt iD low-speed concept
- + Smallest possible turning radius due to Pull-in turn effect
- + Change gear oil only every 2,000 operating hours
- + No special oil necessary
- + No additional super creeper transmission necessary
- + Universal application possibilities

Higher efficiency and effectiveness

- Rear-axle hydromotor and mechanical power split directly connected to the rear-axle drive – Elimination of drive range shifting
- Front axle hydromotor is directly connected to front axle
- Front axle hydromotor is decoupled from approx. 25 km/h
 - More usable power, especially in transport, and thus lower fuel consumption
 - Maximum traction and highest efficiency

2. Four-speed rear PTO

- 540/540E, 1000/1000E
- High degree of efficiency with almost direct through-drive from the crankshaft to the PTO stub shaft (only one gear stage in PTO transmission)
- High efficiency
- Electro-hydraulic speed preselection
- External operation on both sides of the mudguard
- PTO stub detection
- Standard PTO 540 and 1000:
 - Lie ideally in the constant power range
 - High torque increase when the engine is pulled back by the PTO
- 540E and 1000E economy PTO:
 - Close to the optimum consumption of the engine
 - Sufficient torque reserves
 - 1000 PTO revolutions are available at an engine speed of 1830 rpm

3. Automatic functions PTO

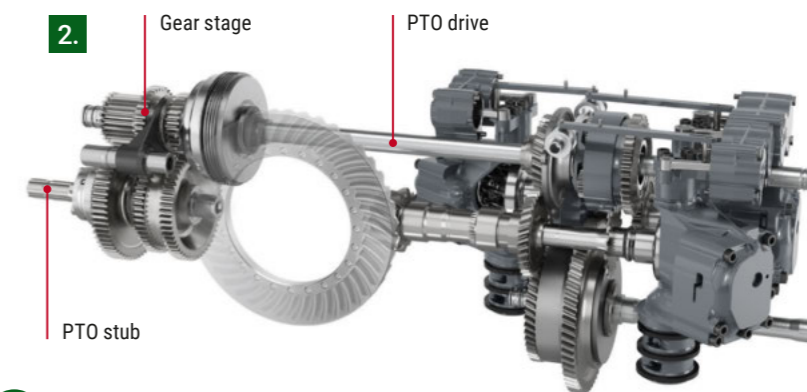
- Switching the rear PTO on and off can be assigned to buttons on the drive lever
- The PTO is switched on and off automatically at preset positions of the power lift
- PTO off point can be set with the rear power lift position
- Starting an adjustable engine speed when activating the PTO on the mudguard (slurry tanker)
- Fully integrated into the Fendt TI headland management system

External rear PTO operation



- + Simplified operation due to the relation between power lift height and PTO start / stop
- + Simplified operation on the multifunction joystick

2.

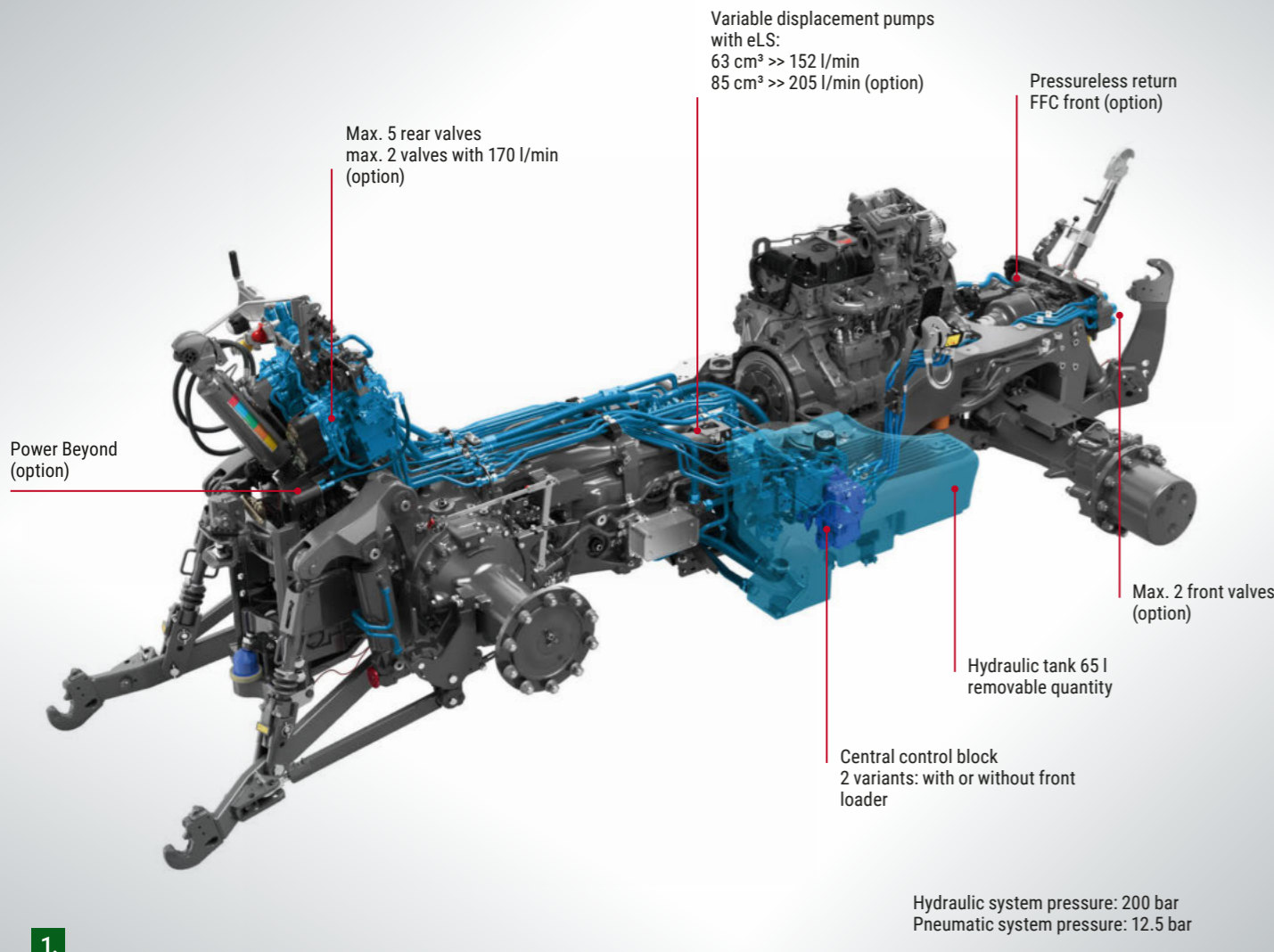


- + PTO-driven units can be operated at constant speed and at the same time variable travel speed
- + Exchange of various PTO stubs



Hydraulics.

The powerful hydraulic system leaves nothing to be desired. Equip your Fendt 600 Vario according to your individual requirements. For example, you can work with an impressive oil delivery rate of up to 205 l/min.



1. Features

- 2 different versions: 152 l/min or 205 l/min flow rate
- Variable displacement pumps with electric load sensing
- Pilot pressure generation via LS pump instead of via power steering pump (gear pump)
- Large removable oil quantity of 65 litres
- Separate transmission and hydraulic oil supply with heat exchanger concept
- Optimal ergonomic arrangement of the operating elements for working hydraulics and power lift

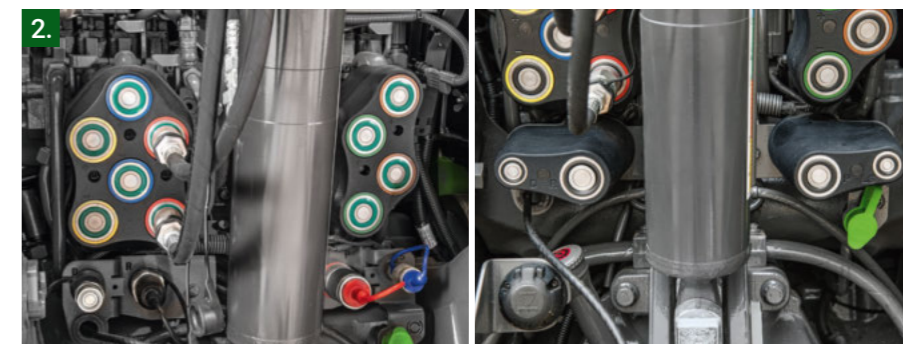
- Numerous setting options via the terminal (free assignment of operating locations, time function, oil quantity setting,...)
- Hydraulic oil preheating
- Hydraulic oil change intervals of 2,000 operating hours or 2 years (biohydraulic oil 1,000 h or 1 year)



- + High pump capacity of 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 steering response, even with parallel consumption
- + High removable oil volume for reliable supply for large consumers
- + Use of bio-hydraulic oils supported due to separate oil reservoir
- + No oil mixing/dirt ingress
- + Outstanding ease of use
- + Faster full functionality even in cold weather

Working hydraulics - equipment features

- Max. number of valves for Power:
 - A total of max. 6 double-acting valves (front 1, centre 2 and rear up to 3 for front valve, otherwise, rear max. 4) plus Power Beyond
- Max. number of valves with Power+:
 - A total of max. 7 double-acting valves (front 1, centre 2 and rear 4) plus Power Beyond
- Max. number of valves for Profi/Profi+:
 - A total of max. 10 double-acting valves (front 2, centre 3 and rear 5) plus Power Beyond
- Power Beyond Connection
- Choice of valve coupling:
 - UDK couplings (can be coupled under pressure; flow rate of 120 l/min; series)
 - DCUP couplings (can be coupled under pressure on both sides; flow rate of 140 l/min; optional)
 - FFC couplings (Flat Face Coupling, flat-sealing, double-sided, can be coupled under pressure, always as 5/8" cartridge; NEW: additionally also Power Beyond and Front-Valves available as FFC; optional)
- Left/right valve blocks can be equipped independently with FFC couplings, either standard or FFC couplings
- Flow rate of 170 l/min on the 3rd and 4th valve with 3/4" or 5/8" FFC
- Flow rate adjustable for each valve (+ and - separately)
- Removable hydraulic oil quantity: 65 litres
- External actuation on both sides available for a freely assignable additional control unit
- Centre valves also with timer functions and integration into the teach-in if no front loader is fitted



2. Flat-face hydraulic coupling system

- 5/8" Flat-Face Coupling (FFC)
- Can be coupled under pressure on both sides
- Combination of different cartridges technically possible
- Comfortable lever operation
- Proven colour coding of the connections
- Easy to clean surface
- Breakaway function
- Power Beyond and front valves also available as FFCs



- + No dirt ingress into the system due to smooth, easy-to-clean surface
- + In combination with device memory in the terminal, always the same operation
- + Various cartridge inserts possible
- + Leakage-free
- + Breakaway function, system remains closed, no pressure loss or leaking oil



- + Enormous relief to the driver and comfort gain
- + Less tyre wear
- + Increased driving stability
- + Enormous gain in safety
- + Avoidance of accidents and damage
- + Simple operation

Automatic steering axle lock

- Automatic locking and unlocking of the trailer steering axle above and below definable speeds
- Steering axle is always locked when reversing
- Activation and setting of the speed range (lower limit: 0-3 km/h; upper limit 10-25 km/h) as well as assignment of the hydraulic valve in the terminal
- Automatic override possible



Rear power lift build

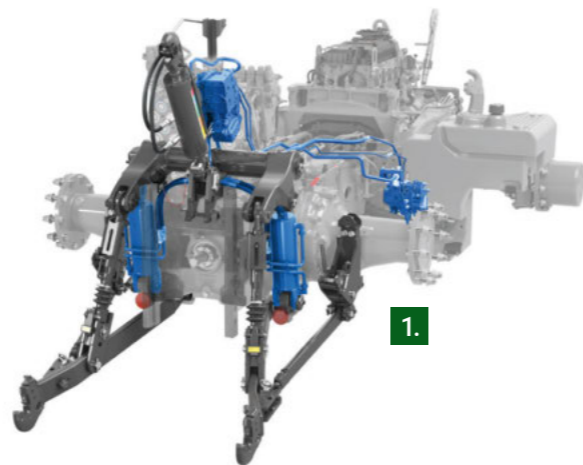
- EHR with comfort operation
- High lifting force: max. 9,790 daN
- Double-acting lifting cylinder
- Double-acting power lift/relief available with Profi and Profi+
- Draft measurement via force measuring pin
- Rear operation on left and right mudguards
- Active vibration damping for road travel with attachments (control via pressure sensors on the lift cylinders)
- With mechanical centre alignment
- Load-compensated lowering for constant lowering speed
- Load-relief control regulation available
- Parking position for lower link

1. Relief control

- Ground-guided implements in three-point linkage, e.g. mulchers, are constantly guided at a constant working height even on uneven and soft ground
- Rear attachment actively follows the ground contour precisely with the infinitely adjustable contact pressure >> optimal working results
- Higher traction thanks to weight transfer from the implement to the tractor
- Elimination of active readjustment by the driver



- + Advantages with heavy ground-guided attachments in three-point and soft ground
- + Optimum working results
- + Relief for the implement and higher traction thanks to weight transfer
- + Relief for the driver because readjustment is no longer necessary



Front power lift – Choice of 3 variants

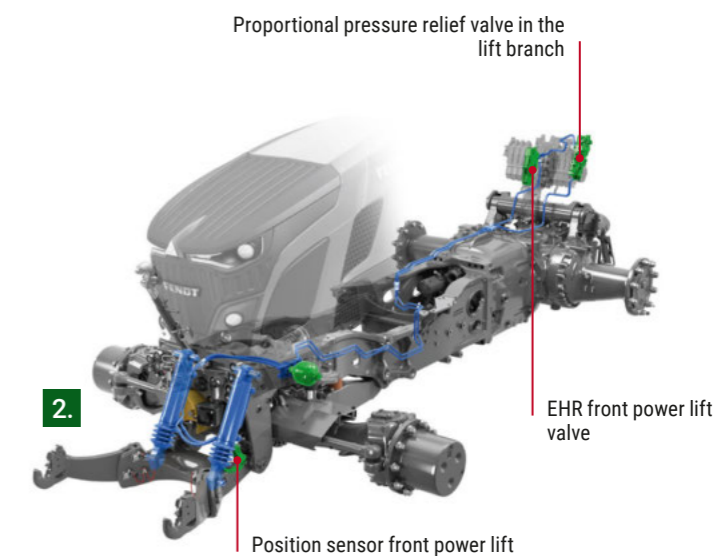
- High max. lifting force: 4,400 daN; 31 kN continuous lifting force; max. unit weight: 3,180 kg
- Front power lift fully integrated into waisted half-frame to keep the unit short for the best manoeuvrability
- Folded lower links integrated very close to the vehicle
- Built-in side protection without protruding lines
- 3 front power lift variants depending on your needs
- Top links with solid brackets and easy handling
- Leakage oil reservoir for auxiliary control units integrated in lower link frame
- Easy attachment of implements with camera in the bonnet (optional)

Variants:

- Pre-equipment mounting plate
- Comfort ballast pick-up without front power lift
- Front power lift (single acting) Cat. 2 with position control
- Comfort front power lift (double acting) Cat. 2 with position control and relief control

2. Comfort front power lift with position control and load relief control

- Active, dynamic control of the bearing/relief pressure between 3 – 100 bar, on the terminal
- Load relief effect adjustable thanks to pressure relief valve
- Simple and convenient setting of the relief effect in the terminal
- Position sensor on front power lift for detecting unevenness
- From speeds from > 0.6 km/h
- No mower relief springs necessary



+ Standard front power lift.

Benefits

- + Integrated design, foldable/removable
- + High lifting capacity for a wide range of applications
- + No restrictions on the working hydraulics due to FKH (own hydraulic valve)
- + Vibration damping with nitrogen accumulator for implementation protection and driving comfort
- + Built-in cylinder protection with bellows
- + Simple operation and adjustment via power lift operating module and terminal
- + Relieving control for front mower use without additional relief springs or optimum steering ability with front packer use

+ Comfort front power lift.

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 Varioterminal
- + 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 the best feed quality – lower dirt content. Does not pierce the sward
- + **Implement combination with front furrow press/front tank:** Best traction, steering ability, lane tracking and clean, controlled levelling and compaction across the entire working width
- + **For winter work with a snow plough:** constant field pressure control for uniform clearing results
- + Reduced equipment wear and soil protection



Structure.

The Fendt 600 Vario is an all-round tractor without compromise. Its compact size, outstanding manoeuvrability and low power-to-weight ratio make it extremely versatile. This means it can be used for arable farming, grassland, transport and front loader work.



High ground clearance

- With up to 55 cm (with 650/65 R42 tyres) extremely high ground clearance >> Crop protection and fertilisation also possible in late growth stages
- Swivelling mudguards at the front for better wheel turn-in



Highest payload for heavy attachments

- Fendt 620 Vario is convincing with 5.8 t payload at 7.7 t (unladen weight MCM*) or 34.4 kg/hp via intelligent lightweight construction with flexible ballasting options >> more soil protection
- High payload of up to 5.8 t with a permissible gross weight of 13.5 t
- Payload to tare weight index at 75% > Market average is 50%
- Flexible ballasting via front (870, 1,200 and 1,800 kg) – and wheel weights (300/600 kg)

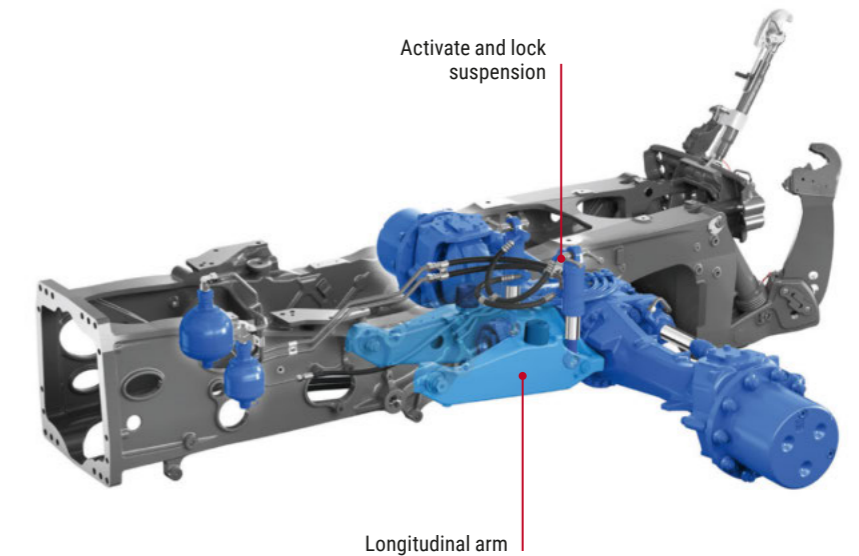
* Most common model (MCM): full tanks, front linkage, rear linkage, rear mechanical top link, full valve equipment

Front axle concept

- Level-controlled front axle suspension with 100 % lock and 90 mm suspension travel – lockable
- High axle loads – Front axle load: 6,000 kg/incl. front loader with track width of 1,950/1,980 mm: 9,000 kg up to 8 km/h
- Reaction steering with reset torque – stable straight-ahead driving

Self-levelling, lockable front axle suspension

- Level-controlled, maintenance-free front axle suspension: 120 mm suspension travel increases area performance by up to 7 % thanks to permanent traction
- Best driving safety even on slopes or when working with a front loader, with the ever powerful Vario drive
- Consistently easy driving whatever the load, with a self-levelling system and position sensor
- Lockable suspension: for precision loading work or with a front cultivator and even working depth
- No swinging up after raising/lowering
- Suspension system with longitudinal arm
- Front-axle swing is maintained even with suspension locked
- Full spring capacity available when stationary – Ballast attachment without front power lift
- Manual lowering/lifting for attachment/detachment of the implement via push-button (if no front power lift is installed)



- + Up to 7 % higher area performance in heavy draft thanks to permanent traction and avoidance of so-called "power hopping"
- + Unique working and driving comfort – system with longitudinal swingarm, even quieter
- + Self-levelling for consistent suspension comfort
- + Work very safely with better steering and brake safety
- + Locking function for precise device guidance
- + High maximum spring-loaded axle load
- + Maintenance-free



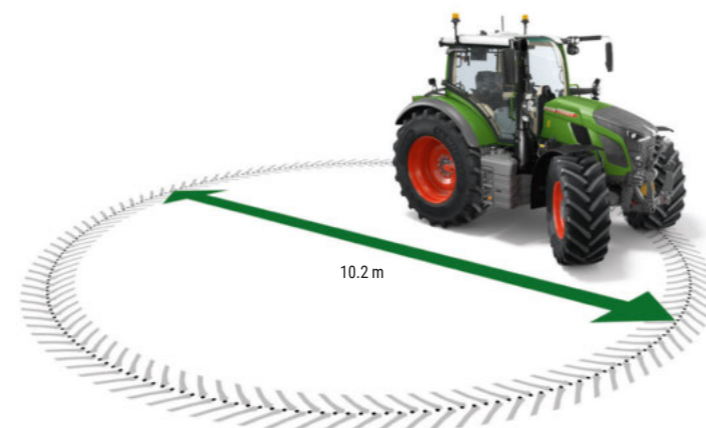
1.

1. Superior manoeuvrability

- Vehicle optimised for the smallest possible turning radius:
 - Half frame with waist
 - Compact engine package allows for a slim bonnet
 - Increased steering angle
 - 10% smaller turning circle in the field due to the "pull-in turn" effect thanks to independent permanent four-wheel drive (VarioDrive concept)
- Turning radius of only:
 - 10.2 m with 540/65 R30 tyres (compared to 10.8 m for the Fendt 700 Vario Gen6)
 - >> Outstanding manoeuvrability in the 200 hp class
- Swivelling mudguards



- + Outstanding manoeuvrability for maximum flexibility
- + Predestined for front loader work



- + Fast and comfortable turning at the headland by halving the steering wheel revolutions
- + Very good ground protection in conjunction with the driven front axle

2. Fendt Reaction steering – Fendt Active steering

- Fendt Reaction steering system with built-in reset torque for safe straight-ahead driving and precise steering, turning and offers driving comfort like in a car
- FendtActive superimposed steering (in conjunction with Profi+ equipment)
- Application benefits: full steering angle with just one turn of the steering wheel at the headland or during front loader work
- Preselection in the terminal, activation on the multifunction armrest button
- Fendt Active uses the Fendt Guide steering valve
- Tractor drives with active superimposed steering max. 25 km/h
- Up to 8 km/h without restrictions, from 8 to 18 km/h, there's a linear reduction of the superimposed steering

2.



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

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

3.



3. Safety assistance system

- Safety feature that stabilises the combination with a pneumatically braked trailer in critical situations
- Continuous monitoring of the trailer's thrust on the tractor
- Brake pressure is automatically controlled in critical situations without the need to press the brake pedal:
- Is only activated when required (up to 25 km/h) and provides additional safety while protecting the field or grass sward at the same time
- Depending on speed and trailer load
- Assistant can be switched off by the driver if required
- No hill descent assistance system like the permanent brake on a lorry; does not replace a wear-free permanent brake



- + Safe and relaxed driving with a trailer



Maximum soil protection and traction

- Diameter of up to 1.95 m at the rear with standard 650/65 R42 tyres or optional 710/70 R38 tyres and 1.60 m at the front with standard 540/65 R30 tyres or optional 600/65 R28 tyres
- New hybrid tyres available
- Permanent and torsion-free 4WD: perfect symbiosis of max. tractive power, superior ground protection on any surface with superior manoeuvrability



- + Choice of tyre options
- + Large tyres in conjunction with VarioGrip tyre pressure control system for up to 10% more traction/area performance and maximum ground protection
- + Independent permanent 4WD (VarioDrive)

1. VarioGrip for flange and stub axle

- Up to 8 % more area output and 8 % fuel savings
- For example, 500 hr heavy traction work/a =
 - up to 40 hr less operating time via larger "footprint" (ground contact area)
 - up to 8% diesel savings + up to 10% more tractive power = up to 16 hp
- Over 7,000 units already in the field >> now also available for the first time in the compact mid-range from 150 to 220 hp
- VarioGrip available for flange and stub axle. Pressure adjustment can also be altered with twin tyres >> unique
- Complete integration with built in valve and air lines
- Complete solution with water-cooled high-performance compressor (dual compressor) with 850 cm³ air volume flow at rated speed
- Fendt's own development with radial rotary unions on front and rear axle
- Two-line technology with control and filling line
- Control line opens tyre valve; inflation line is used for inflation and deflation
- Two pressures for front and rear axle can be stored and recalled
- System air pressure is only present during air pressure control/ measurement
- Air pressure control also possible at full speed



- + Full integration into the vehicle concept with modified vehicle compressor and own valve technology
- + Up to 10 % more tractive power and reduction in fuel consumption of up to 8 % with 8 % more area output*
- + No blanket air pressure, but individually adapted tyre pressure for use and ground conditions
- + Increased driving stability and safety during transport work
- + Reduction of rolling resistance to reduce fuel consumption
- + Tyre protection for low operating costs
- + Maximum convenience through simple operation in the terminal
- + Surface pressure is significantly reduced to protect the ground
- + Flexibility of use due to fast inflation and deflation times

*South Westphalia University of Applied Sciences; Agricultural Economics Soest



Cab.

The cab of the Fendt 600 Vario offers you the best all-round visibility and added comfort. From a premium driver's seat and high-resolution bonnet and rear cameras to a large cooler and thermal box – you are ideally equipped for long working days.



1.

1. Features

- Spacious cab (2,520 l total room volume) with a continuous field of vision of 77°; ideal for front loader work
- VisioPlus cabin in 3 different variants
- Low noise level and excellent all-round vision (6.1 m² glass surface; optionally with laminated safety glass (LSG) front window)
- Wide and therefore comfortable entry
- FendtONE operating philosophy
- New premium driver's seat for maximum comfort
- Passenger seat with padding and backrest
- Numerous storage and stowage options

- Space for a large cooler and warmer for long working days
- Infotainment packages and sound system available
- Crossed work lights for glare-free lighting in the dark without shadows
- Pivoting steering column with digital dashboard
- Rear-view mirror with integrated wide-angle component as standard
 - optional: electrically adjustable and telescopic, heated rear-view mirrors
- Air conditioning or automatic air conditioning >> 30 % higher cooling under full load compared to the predecessor model
- Dashboard pivots with steering wheel
- Optional immobiliser with coded key

- Various suspension systems
- Sun blind at the front, optional at the rear
- Additional side window wiper on right side
- Safety kit with first aid kit, safety vest and warning triangle

2. Choice of three cab variants

- 1st VisioPlus panoramic cab: windscreen and right-hand side of cab cannot be opened; completely drawn through
- 2nd Panoramic cab VisioPlus + door right: continuous windscreen, door left and right
- 3rd Standard cab VisioPlus: right door and windscreen open (right side continuous without a B-column and contains the door)
 - Two handles for closing when the windscreen can be opened >> very stable, tight position of the windscreen when closed
 - Improved extra handle on the rear window (perfectly accessible however tall the driver)

Fig. 1, 2, 3: Illustration shows a 700 Vario Gen7.



3. Cab suspension – choice between two variants

- 1st Pneumatic (standard): two conical bearings at the front, two pneumatic spring elements at the rear
- 2nd Pneumatic comfort (optional): 3-fold pneumatic (pneumatically suspended, central swing arm at the front and two pneumatic suspension elements at the rear)

- + Maximum driving comfort for long working days, even under extreme conditions
- + Choice of different suspensions to suit every application
- + Sophisticated overall suspension concept

- Suspension is supported behind the rear axle, thus better spring deflection behaviour during braking and acceleration
- Integrated level control
- Integrated brake and pitch compensation thanks to higher front swing arm
- Outstanding suspension comfort due to perfect interaction of cab, seat and front axle suspension as well as vibration damping at front and rear power lift

Digital bonnet and rear camera

- High-resolution for the best image quality
- Good view of the front power lift or the implement in the rear
- Bonnet camera integrated in the Dieselross emblem
- Rear camera integrated in the cab roof next to the vehicle registration plate

- + Maximum safety due to visibility into the front and rear work area



1. New Premium Driver's Seat

- Premium air suspension seat with Longitudinal and lateral horizontal suspension, genuine leather upholstery
- Electric adjustment of the backrest, side bolsters and lumbar support; electric longitudinal adjustment
- Massage function available
- Multi-stage seat heating and air conditioning
- Integrated memory function saves individual driver settings via the user profile:
 - Electric, automatic longitudinal adjustment



- + Premium seat with comprehensive adjustment functions and integrated memory function for maximum driving comfort

- Automatic weight adjustment and electrical, continuously and automatically height adjustment (air-supported)
- Electric, automatic backrest tilt adjustment
- Automatic lumbar and side bolster support
- Operating and setting the seats comfort functions done via the terminal:
 - Three-stage seat heating and active three-stage seat ventilation (seat and backrest)
 - Back massage function
 - Automatic lumbar and side bolster support

2. Filter protection functions

- Exchangeable filter system from the factory according to EN15695: protection against dust, pesticides and their vapours
- Overpressure operation
- Cat. 4 Alternate filter system for plant protection application (optional)



3. Rear-view and comfort mirrors – three variants

Three different variants to choose from:

- 1st Rear-view mirror with wide angle mirror (mechanically adjustable)
- 2nd Comfort mirror rear and wide-angle mirrors electrically adjustable, heatable and clearance light
- 3rd Comfort mirror telescopic: rear-view and wide-angle mirrors electrically adjustable, heatable, and clearance light and mirror holder retractable and extendable
 - As LIN mirror complete integration in vehicle electronics
 - Operation in the terminal
 - Function for simultaneous retraction of both mirrors
- Marker lights in the mirror housing in conjunction with comfort mirrors (EU)
- Best overview of dangerous zones when turning



- + No more blind spots
- + Highest safety, as the driver can adjust mirrors comfortably and easily
- + Best overview even with large attachments in tight spaces
- + Vehicle dimension easily recognisable by other road users due to marker lights

Infotainment - Overview

Electronic platform for entertainment and communication includes four components:

- 1st Hands-free equipment
- 2nd High-quality radio reception
- 3rd Connection of a wide range of external audio sources
- 4th Fully integrated operation via terminal or rotary knob on the armrest

Sound system in various expansion stages:

- Infotainment package: 4 premium speakers
- Infotainment package + 4.1 sound system (from Profi): 4 premium speakers plus subwoofer integrated in sound bar



1. Digital Dashboard

- 10.1" large display (not touch capable)
- Fixed to the steering column, can be swivelled along with the steering column
- Different display modes:
 - Street and field mode
 - Day and night mode
- Display of messages (3 levels):
 - 1) Communication
 - 2) Warning message
 - 3) Alarm

- Choice between different views, e.g. hydraulic valves, key assignment, fuel consumption etc.

2. 12" terminal on the armrest

- Standard across all equipment variants
- Can be operated by touch and rotary-push dial
- Up to six freely configurable tiles per page

- Creation of user profiles to save page arrangements and settings for changing drivers
- Operable by touch and/or rotary-push dial
- Integrated day and night design

3. 12" terminal in the roof

- Additional 12" terminal in the roof for even more display space
- Functions correspond to the terminal on the armrest
- Can be half retracted into the roof lining: lower half is still visible even in retracted position



- + Flexible display of important data such as on-board computer, key assignment, etc.
- + Even when changing the standard view, the data relevant to the road traffic regulations continue to be displayed



- + 12" large display area
- + Intuitive operation (similar to smartphones and tablets)
- + Flat menu structure to easily find individual functions
- + Possibility of personalisation through freely configurable pages or tiles

4. Multifunction joystick

- Ergonomic shape and arrangement
- Fendt familiar operation of functions such as reversing, activation of cruise control and accelerating/decelerating is retained
- 4 additional keys with the possibility of function reassignment
- Rotary wheel on the driving lever for adjusting the cruise control speed while driving
- Important transmission functions such as cruise control preselection, TMS, speed memory, etc. located in the lower side area

5. 3L-Joystick

- Optional 3L-Joystick (with Power+ Setting 2, Profi Setting 2 and Profi+ Setting 2)
- Operation of the 3rd and 4th hydraulic control unit
- Fully ISOBUS-capable
- Up to 27 functions distributed over up to three operating levels (3L - 3 levels)
- Additional reverse key
- Functions can be reassigned via the IOM; colour feedback
- Entire 3L joystick can be locked for safety reasons



- + No need to reach around thanks to the reverse button
- + Freely customisable through function reassignment
- + Locking of the 3L joystick possible: prevention of unintentional operation

Flexible key assignment via IOM (Individual Operation Manager)

- The key assignment can be conveniently managed via the IOM
- Functions can be placed in the best possible operating location for the driver
- The functions can be placed at the respective operating location via drag & drop in the IOM menu
- Individual key assignment is stored in the respective user profile >> each driver can quickly call up their settings again
- 2 ways to get to the IOM in the terminal:
 - Quick-access button on the rotary-push dial
 - via the icon on the Launchpad



Equipment lines with different settings

Two different settings can be selected for each equipment variant. All illustrations show standard equipment and optionally available front linkage.

There are 4 different equipment lines to choose from for the Fendt 600 Vario:

- Power
- Power+
- Profi
- Profi+

With "+" always guidance pre-fitting incl. guidance basic package included
Two different settings (Setting 1 and Setting 2) can be selected for each equipment line



Power Setting 1

- No cross-gate lever
- One pair of finger tip spools (linear module) for operating the hydraulic valves



Power Setting 2

- Cross-gate lever
- No finger tip spools (linear module) for operating the hydraulic valves



Power+ Setting 1

- Cross-gate lever
- One pair of finger tip spools (linear module) for operating the hydraulic valves



Power+ Setting 2

- 3L-Joystick
- One pair of finger tip spools (linear module) for operating the hydraulic valves



Profi Setting 1 / Profi+ Setting 1

- Cross-gate lever
- Two pairs of finger tip spools (linear module) for operating the hydraulic valves



Profi Setting 2 / Profi+ Setting 2

- 3L-Joystick
- Two pairs of finger tip spools (linear module) for operating the hydraulic valves





Smart Farming.

Today, a tractor is much more than just iron and steel. Intelligent technology solutions ensure that the fleet can be used with the greatest possible efficiency.



Guidance system.

When precision and relief become one.

Precise use of machinery for sustainable soil protection and optimised use of resources. Concentration on the essentials by relieving the driver, even on long working days. This is the guidance system with Fendt. Discover our guidance system types with turning modes and automatic headland management.

Agronomy.

When machine and data become one.

Tractor and implement generate data – data that is important for documentation. This also requires field boundaries and way lines to be standardised across the entire fleet. Creating tasks and receiving work reports will become essential as processes become increasingly automated. Seamless documentation means future-proofing. This is agronomy at Fendt. Discover our solutions and initiatives that make data exchange a reality on your farm.

Telemetry.

When data and transfer become one.

Keeping an eye on the entire fleet or checking the diesel level of a specific trailer – telemetry makes it possible. Detailed machine data can be viewed in real time, which also enables your service partner to optimise diagnostics if something should go wrong. Discover our telemetry solutions and see for yourself how they can help you make better logistics and service decisions.

Machine control.

When tractor and implement become one.

Tractor and implement, an inseparable unit optimally and intuitively integrated into the operating concept. The Fendt machine control system makes it child's play to control partial width sections and work the sections with pinpoint accuracy. Discover our ISOBUS functionalities and be convinced of the efficient interaction between tractor and implement.



Guidance system.

Track guidance basic package

- Includes the tractor preparation for track guidance and the Fendt Guide application

Option

- Choice of receivers (Trimble or NovAtel)
- Fendt Contour Assistant
- Fendt TI Headland (Fendt TI Auto + Fendt TI Turn Assistant)
- Implement Slope Compensation



- + Relief for the driver: Full concentration on the implement, easy control of the already worked area
- + Savings potential: Higher area output through full utilisation of the working width, at the same time minimisation of undesired overlaps and thus reduction of operating resource expenditure
- + Sustainable land management: minimising soil compaction by reducing the number of passes and optimising turning operations



Trimble AG-482

1.



NovAtel SMART7

1. Receiver selection with Fendt Guide

- Choice between two different GNSS receivers is possible:
 - Trimble receiver
 - NovAtel Receiver

Fendt Contour Assistant

- The Fendt Contour Assistant supplements the known contour line types with the contour lines
 - Contour segments
 - Single contour
 - Single Contour Segments
- Available as a software option based on the Guide Basic Package



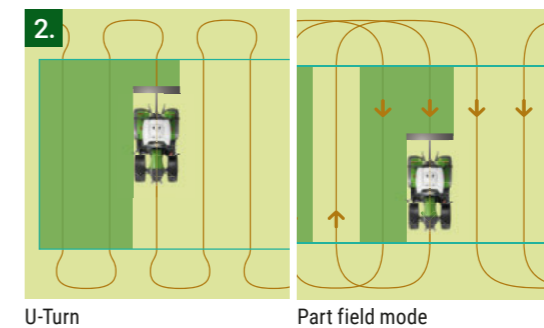
- + Variety of correction data signals of different accuracy levels
- + Upgrades and conversions possible at any time, even on older machines
- + Receiver under the roof hatch: Perfect protection against theft, weather and damage
- + Bridging mechanisms in the event of signal failures (Trimble xFill (Premium) & NovAtel RTK ASSIST)

Fendt TI Headland

- Complete package for professional work on the headland
- Consists of the two functions
 - Fendt TI Auto
 - Fendt TI Turn Assistant
- Fendt TI Headland is available for all FendtONE machines from PL795 onwards

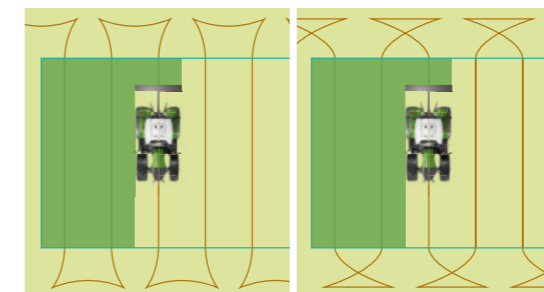
2. Fendt TI Headland – Fendt TI Turn Assistant

- Adds the automatic turning function to Fendt TI Auto
- Two different release modes:
 - Manual mode:
 - Manual initiation of the turning process
 - Field boundary not mandatory
 - Automatic mode:
 - Based on a given boundary line with headland settings, all turning operations are calculated
- The automatic mode contains four different turning types:
 - U-Turn
 - Part field mode
 - Y-Turn
 - K-Turn



U-Turn

Part field mode



Y-Turn

K-Turn



- + Maximum driver relief
- + Maximum precision and efficiency
- + Savings in turning times and operating resources
- + Soil protection through optimal turning processes



Agronomy.

Agronomy basic package

- The Agronomy basic package includes the task-related documentation system Fendt TaskDoc and the associated offboard component
- It includes a three-year TaskDoc server licence for mobile data transfer between FendtONE offboard (or a farm management system) and the tractor



- + Overview of tasks and assignments
- + Simplified documentation of tasks and field work
- + Complete documentation of the field work
- + Also prepared for future documentation efforts



- + Simple intuitive operation through complete integration into the overall concept
- + High data security through large storage space and data backup until data transfer

Fendt Task Doc (onboard)

- Quick and easy data transfer to the Farm Management Information System (FMIS) via mobile radio or USB
- Simple and prompt documentation without intermediate steps
- Transfer of all data relevant for documentation into the FMIS:
 - Field data (Fendt Guide waylines, boundaries and obstacles)
 - Field name + current crop, address of the farm or client
 - Application name
 - Plant protection product used + application rate
 - Attachment used
- Existing field data from third-party providers can also be used via an FMIS
- Fendt Task Doc is available as standard for Profi+

Telemetry.

Telemetry basic package

- The Telemetry Basic Package contains all the components for the use of the Fendt Connect telemetry solution
 - ACM box
 - Licence to use Fendt Connect for five years
 - Fendt Connect Web Application and App
- The Fendt Smart Connect product can be ordered as an option.

Fendt Connect

- Fendt Connect is the central telemetry solution for Fendt machines
- With Fendt Connect, machine data is recorded and evaluated so that farms and contractors can monitor, analyse and optimise the condition and use of their machines
- Thanks to mobile data transmission, current machine data can be called up from anywhere – via farm PC, tablet or smartphone



- + Increased efficiency through better logistics decisions
- + Input reduction: monitor consumption to improve performance
- + Maximise uptime through intelligent service appointment planning
- + Minimise downtime: Use of diagnostic support for decision making
- + Flexibility: Recall current machine data from anywhere



- + Free additional display space in the cabin
- + Intuitive operation through familiar hardware and operating logic
- + Full data control - no permanent data storage

Fendt Smart Connect

- Fendt Smart Connect can be booked as an option to the basic telemetry package
- Fendt Smart Connect allows machine parameters to be visualised on an iPad, e.g. engine speed, slip, fuel and AdBlue consumption, engine load, etc.
- In addition to mobile radio, the ACM Box is equipped with its own WLAN, which enables data transmission to the Fendt Smart Connect App
- With Fendt Smart Connect, the driver is provided with an additional display surface that can be individually adapted
- There is no permanent data storage

Machine control.



Machine control unit basic package

- Prerequisite for further ISOBUS functions
- Simple and intuitive control of ISOBUS implements via standardised, cross-manufacturer interface Standard ISO 11783
- Tractor terminal and implement are connected by means of a socket at the rear

Option

- Fendt Section Control (SC)
- Fendt Variable Rate Control (VRC)
- Fendt Implement Management (TIM & TIM-Steering)
- Front unit control



- + Increasing the efficiency of the team
- + Increasing the quality of work
- + Maximum range of functions for controlling ISOBUS devices
- + Simple operation of complex attachments
- + Basis for site-specific processing



- + Savings of up to 15% on fertilisers, sprays, seeds, etc. by avoiding unwanted overlaps
- + Reduction of disease, pest and weed pressure by avoiding overly dense stands and missing areas
- + Relief for the driver, full concentration on monitoring the implement
- + Increasing the quality of work through clean connections at the headland



- + Greater convenience when sowing tramlines
- + No tedious counting of tramlines
- + Working widths of the implements do not need to be matched to each other
- + Reduction of the driver's workload



- + Increasing efficiency: maximising yield per unit area while saving on operating resources
- + Time saving: use of the task report as a basis for documentation
- + Flexibility: Support of ISOXML and Shape files



- + More precise work thanks to faster switching of the nozzle bodies
- + More efficient use of operating resources
- + More sustainable agriculture
- + Protection zones can be left out more easily



- + Increasing the efficiency of the team
- + Maximum driver relief

Fendt Section Control with Multi Device Control ("Multi Boom") and 144 boom sections

- Function extension for Fendt Section Control
- Up to now, the automatic boom section control could only be used on one implement/one application unit ("boom") at a time
- With Multi Device Control, boom sections for up to five application units can be switched independently of each other (useful, for example, when sowing maize with a fertiliser tank)

Fendt Section Control (SC) with Tramline Control

- Extended ISOBUS functionality for the automatic creation of tramlines independent of the working widths of the seed drill and cultivator width
- Tramlines are optimised with the help of position data
- Corresponding sowing implements are switched off by the Tramline Control function extension for the tramline

Prerequisite: Cultivator implements must be equipped with Tramline Control

Fendt Variable Rate Control (VRC)

- Variable Rate Control (VRC) is the site-specific control of the application rate of operating resources (seed, crop pesticide products or fertiliser)
- Basics: application map created in advance with the help of an FMIS
- Application map is transmitted to the machine as part of a task as an ISOXML file via mobile radio or USB (Shape format also compatible, transferable only via USB)
- The TC-GEO task controller automatically adjusts the specified target application rates depending on the position
- After completion of the task, send back a task report with the actually applied quantities to the FMIS
- Prerequisites: Fendt Guide, Agronomy basic package, Fendt Section Control and activation for the ISOBUS standard TC-GEO for tractor and implement

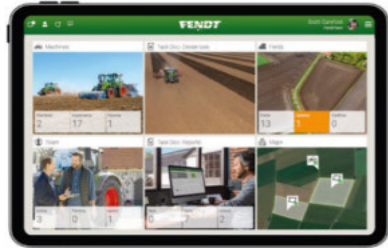
Fendt Variable Rate Control (VRC) with Zone Control

- Extended ISOBUS functionality for site-specific cultivation according to application maps
- Definition of zones (e.g. water bodies, residential areas, etc.) in which no products may be applied
- Application rate can be controlled within the working width per partial width section
- By linking Section Control and Variable Rate Control, the application rate can be reduced to zero ad hoc

Fendt Implement Management (TIM)

- With Tractor Implement Management (TIM), an implement can automatically control certain functions of the tractor, e.g. its forward speed or control valves
- This is possible as soon as both the tractor and the implement are equipped with the ISOBUS function TIM
- With the help of TIM, the implement optimises its own workload, the driver is relieved and the team works more productively
- TIM is available from PL795 for all FendtONE machines
- With Fendt Implement Management (TIM-Steering), the tractor can receive a steering command from an implement or an external steering system

FendtONE offboard.



1. Comprehensive team management

- Overview of all employees and their roles in the operation (owner, driver, trainee, etc.)
- Varied authorization for different functions in FendtONE (read, write, no access)
- Establishing end dates for accounts

2. Efficient machine management

- Central overview of the machine fleet
- Telemetry information such as position, operating hours, error codes, AdBlue and diesel level
- Service information, warranty information, management of licenses

3. Precise field management

- Uniform field boundaries and waylines on all machines through rapid, seamless data exchange
- Optimization of AB lines in terms of number and length of waylines as well as the overlapped area

4. Simple task creation

- Create task with just a few clicks
- Wireless transfer to the machine
- Easy work coordination with employees: clear task assignment and reporting

5. Comprehensive task report

- Clear task report including relevant machine, field and agronomy data
- Time savings in documentation
- Task-related visualization of agronomy and machine data (forward speed, engine speed, application rate, deviation from target value, etc.) in Heat Maps

6. Intelligent location management

- Easily find locations that are relevant to operations (fields, field entrances, farmyards, stores) thanks to navigation based on Google Maps
- Simple location of machines
- View of the weather data to support action planning

1. More display surfaces

- Digital 10" dashboard: flexible display, important data such as on-board computer, button assignment, etc.
- 12" terminal on the armrest and cab roof: individual display of tractor operation, guidance, ISOBUS devices, infotainment, etc.

2. More operation options

- Multifunction joystick: more buttons can be freely assigned (also for ISOBUS function)

- 3L joystick: up to 27 functions across three operating levels (also for ISOBUS functions and operation of the front loader with a 3rd valve)
- Free assignment of buttons on the armrest
- No additional operating elements (terminals, joysticks) are necessary

3. Can be personalised

- Creation of user profiles to save settings for different drivers
- Assignment of admin rights
- Personalization of the display surfaces
- Free assignment of buttons and visual feedback to avoid operating errors

FendtONE onboard.



4. Simple operation

- All of the operating elements in one central location
- Intuitive operation (similar to smartphones and tablets)
- Flat menu structure to easily find individual functions
- Colour-coded labelling of the various function groups
- Proportional operation of the power lift
- Proportional operation of the hydraulic valves on the multi-function joystick
- Display of messages in clear text

5. Future-proof

- Large memory capacity
- More interfaces
- High connectivity

Same user interface

Seamless integration of data

FendtONE offboard.



7 different main functions

1. Machines

Efficient machine management

- Overview of the machine fleet
- Machine information such as model, VIN number (serial number), year of manufacture
- Telemetry data such as position, operating hours, AdBlue and diesel fill level
- Task Doc Licence Management
- Centralised assignment of implements with geometry data



- + Central location for all relevant machine data to avoid data loss
- + Time-saving overview and management of service planning and licences
- + Time saving when setting up the guidance system

2. Team

Transparent team management

- Overview of the team with contact details
- Setting user roles and permissions
- Time limitation of access for individual team members possible



- + Central place for all relevant data of the team members
- + High data security through definition of user roles (assistant, buyer, fleet manager, mechanic, driver, other) and authorisations (edit, read, no access)

3. Fields

Precise field management

- Overview of the fields
- Filter function according to crop type
- Field information such as field size, field boundary, track lines, obstacles, crop type
- Position and visualisation on Google Maps
- Navigation assistant based on Google Maps



- + Location, device and user-independent access to field data
- + Central and secure location for all field data to avoid data loss in case of machine sale or updates
- + Uniform field boundaries and track lines on all machines through conflict management
- + Easy import of fields, track lines and obstacles from the tractor terminal (ISOXML, KML) or as shp file
- + Time-saving navigation to fields

4. & 5. Task Doc: Task management

Easy order creation & comprehensive task report

- Creation of tasks in FendtONE offboard by selecting a work type, tractor, implement, team member, crop type and operating materials
- Transfer of the job wirelessly or via USB stick to the machine
- Receiving task reports with all relevant machine, field and agronomy data
- Task report visualises the machine and agronomy data in overview maps
- Export of the task report as PDF



- + Simple and central creation, management and documentation of tasks
- + Structured planning of tasks and management of operating resources
- + Automatic recording of task data on the tractor during field work
- + Automatic and time-saving documentation including all relevant machine, field and agronomy data
- + Detailed insights into the performance parameters of the machine

6. Map+

Intelligent site management

- Overview of fields, machines and points of interest (POI)
- Live positions of machines
- Field specific weather forecast
- Navigation assistant based on Google Maps



- + Easy orientation through a central overview of all locations relevant to operations
- + Improved organisation of machine activities
- + Precise weather forecast for better planning
- + Time-saving navigation to fields, machines and POIs

7. Fendt explains

- Watch the explanation videos for FendtONE.



Front loader.

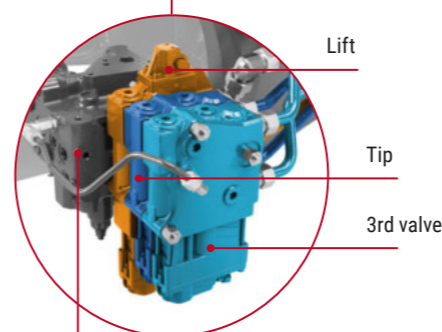
With perfect visibility thanks to the 77° field of vision and outstanding manoeuvrability, the Fendt 600 Vario is perfectly suited for front loader work. With the sophisticated functions of the Fendt Cargo 4 and Fendt Cargo 5 front loader generation, you are ideally equipped for your front loader work.



New multi-coupler:
 - 4-hose / 6-hose cross-compatible with each other
 - Less pressure loss
 - Dirt cover

Work lights

Separate valve block for front loader:
 - 3 separate valves (lift/tilt/3rd valve)
 - No shared lines



Central control block: two variants (with/without front loader)

Swing arm with a width of 1,040 mm

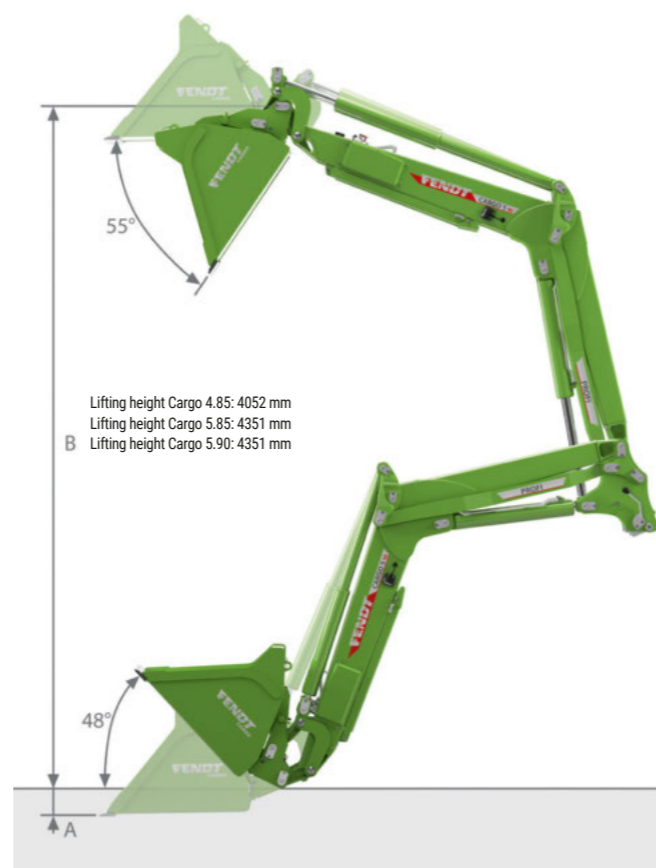
3rd valve

3rd circuit

Hydraulic tool locking with locking function (tool change in any position) and mechanical locking monitoring

Fendt Cargo 4 / Fendt Cargo 5 at a glance

- New front loader generation with a swing arm width of 1,040 mm
- New multi-coupler:
 - 4-hose/6-hose cross-compatible with each other
 - Less pressure loss
 - Dirt cover
- Own valve block with 3 separate valves >> No corresponding lines



CargoProfi features

- Integrated weighing function in each position (individual and total weight)
- Limitation of the working range (lifting height and tipping angle)
- Memo function (storage of boom and tool position)
- Maintenance display of service intervals via the terminal
- Shaking function (for shaking out sticky loads)
- End position damping (minimisation of trickle losses)



Equipment variants and technical details.

Dear customer,
Our motivation at Fendt is to provide you with the most innovative machines and solutions so that you can do your work even more efficiently and comfortably. We are constantly advancing our products and their equipment details. Therefore, you will find all technical data and equipment variants updated daily on our website.



Simply scan the QR code or follow the link below:
fendt.com/600-vario-data



Lighting

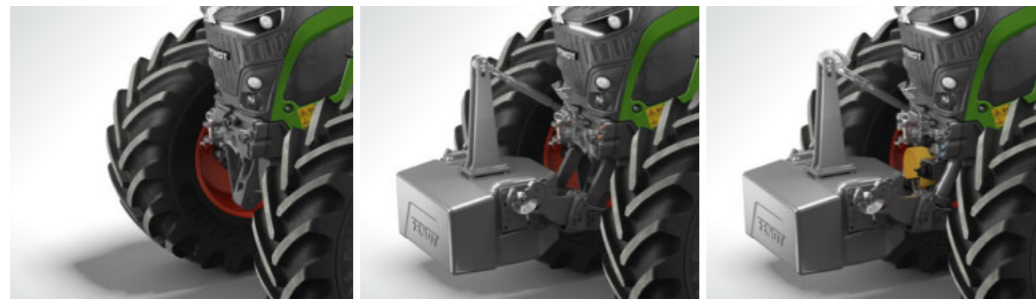
- Working lights can be selected as required
- Daytime running lights and work lights in bonnet (optional)
- Lighting optionally in LED version:
 - LED work lights at 4,000 lumens
 - LED recessed spotlight at 3,400 lumens
 - High-performance reflectors for uniform illumination without glare
 - Thermal management for long service life, low power consumption
 - Vibration-resistant and resistant to high-pressure cleaners
 - EMC-tested (track guidance, radio)
 - Salt test inspected
- LED work lights
- See me Home Light
- Illuminated steps
- Two light settings can be saved and conveniently called up on the steering wheel adjustment lever or in the terminal

Daylight running light



New LED tail lights (CAN-capable) with dynamic sweeping indicator

See me Home Light



Without front power lift

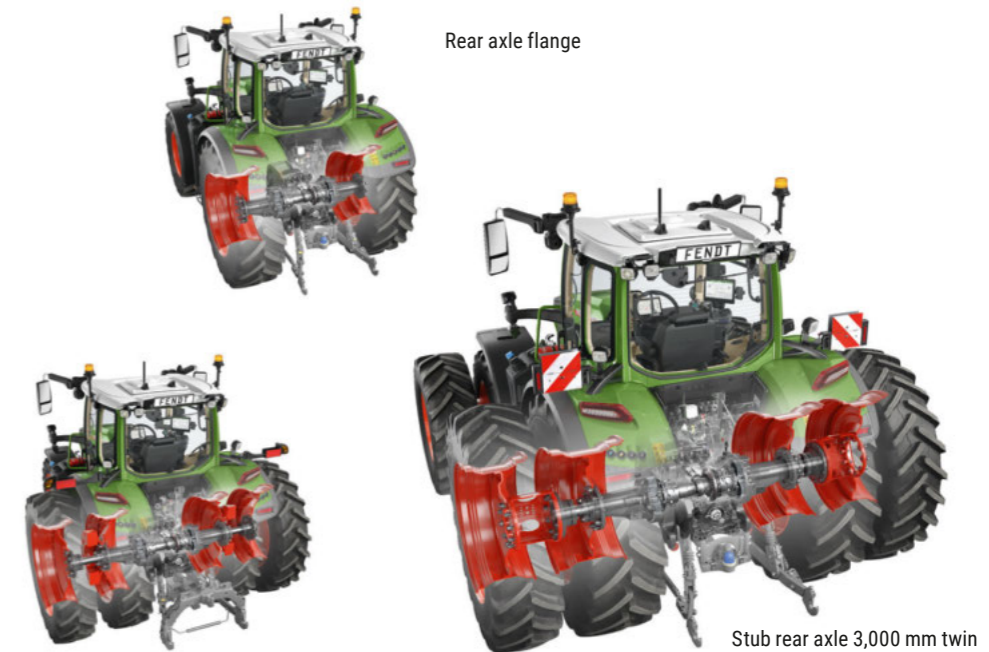
Comfort ballast support

Front power lift Cat. 2



Rear power lift with quick arresters and side support (EU)

Rear axle flange



Stub rear axle 2,500 mm twin tyres with dual wheel hub

Stub rear axle 3,000 mm twin tyres with dual wheel hub



Fendt Services.

A Fendt machine is a high-tech product for the highest of demands. Accordingly, the certified Fendt sales partners offer first-class service.



+44 330 123 9909

You can contact the certified service partners around the clock via the Fendt Customer Hotline



The best product under the best protective shield

- Extraordinary service partners and service:
- A short distance between our trained service employees and you
 - 24/7 Replacement parts availability during the season
 - 12 month guarantee on Fendt original parts and installation

100 % quality. 100 % Service: Fendt Services

- Fendt Demonstration Service
- Fendt Expert Driver Training
- AGCO Finance – Financing and Leasing Offers
- Fendt Care – Service contracts and warranty extension
- Fendt Certified – Used machine programme

Ensure the operation of tomorrow today.

- Fendt Demonstration Service**
- Get on and try it out, instead of just talking about it
 - Basis for an optimal decision-making process

- Fendt Expert Driver Training**
- Exclusive practical training with professional trainers
 - Optimization of efficiency by learning all of the functions and exploiting the entire performance potential of the Fendt machine

- Individual financing and leasing models**
- Credit financing by AGCO Finance with attractive conditions, flexible terms and projectable costs
 - Tailored leasing offers via the Fendt sales partner



- Fendt Care – Service contracts and warranty extension**
- Tailored maintenance and repair service that goes beyond the warranty
 - Maximum safety of use
 - Flexible terms and rates with and without deductible
 - Full cost control and planning security
 - Only original parts used with guaranteed production quality and tested for reliability for maximum value retention of the Fendt machine

- Fendt Certified* – Used machine programme**
- Used agricultural machines with proven high-quality and certified Fendt quality
- Advantages:**
- Certification according to demanding quality standards
 - Extensive initial check (technology, wear, appearance)
 - Meticulous maintenance of wearing parts
 - replacement, cleaning and painting of components as needed
 - Includes warranty

*Fendt Certified only available in GB/FR



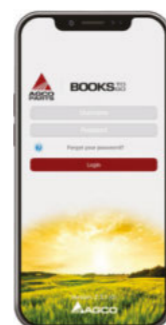
Fendt Care.

Cost control and planning security with the Fendt Care rates

- Comprehensive range of services to ensure operational safety and repairs on new machines
- Full cost control with the best service
- Tailored solution for the fleet from maintenance contract to complete worry-free package including replacement machine

Smartphone-App "AGCO Parts Books to go"

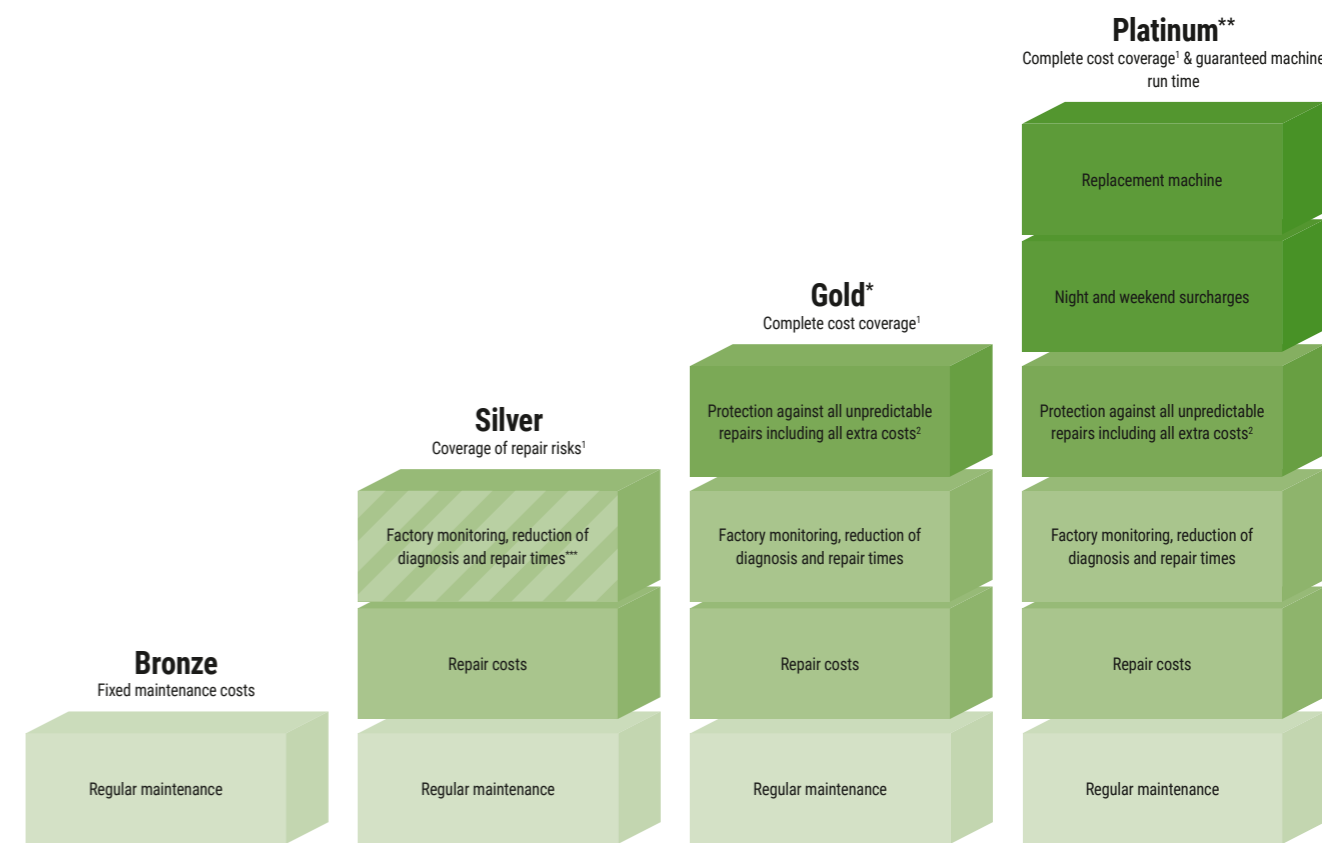
- Find replacement parts quickly and order directly
- Download via the App Store or the Google Play Store
- Access data via the Fendt sales partner















App Store



Google Play Store



		 Cost advantages with Fendt Connect (optional)	 Only for tractors with Fendt Connect
Available for	Complete Fendt Portfolio	Complete Fendt Portfolio	Wheeled tractor with Fendt Connect & telescopic loader ⁸ Wheeled tractor with Fendt Connect
Customer benefit (deductible)	Operation safety of the machine	Coverage of large-scale damage ³ (490 €) Comprehensive coverage at attractive rates (190 €) Complete coverage with full cost control (0 €)	Complete coverage with full cost control including all extra costs (0 €) Complete coverage with full cost control including all extra costs & guaranteed machine run time (0 €)
Maximum coverage Warranty extension	 8 Years / 8,000 OH	 5 Years / 3,000 OH  5 Years / 5,000 OH	 3 years / 2,000 OH ⁴  3 years / 4,000 OH ⁵  3 years / 25,000 bales ⁶  5 Years / 50,000 Bales  8 Years / 4,000 pump-H  5 Years / 8,000 OH  5 years / 750 OH ⁷

OH = operating hours; H = hours; ¹ excluding wear and tear; ² travel costs, recovery / towing, troubleshooting with additional diagnostic tools, use of dynamometer, oils and filters if engine / transmission is repaired; ³ only available for machines with self-propelled & RG300 & Momentum; ⁴ ISOBUS-enabled machines only; ⁵ PR, VR & XR only; ⁶ incl. Rollercor; ⁷ Momentum 16 & 24 only; ⁸ Gold rate for telehandler also available without Connect; ⁹ Gold rate only available in DE, FR, GB, IT, BG, CZ, EE, HR, HU, LT, FI, LV, MD, RO, RS, SE, SI, SK, UA, AT, LU, NL, CH, BE, BY, NO, PL, DK; ^{***} Platinum only available in DE, EN, FR; ^{***} optional with Fendt Connect

Awards.

Farm Machine 2024 – awarded twice

16 specialised journalists from European agricultural technology magazines evaluate the applicants for the "Farm Machine" award. The prize is awarded in 12 categories to different types of agricultural machinery. The prize (formerly Machine of the Year) has been awarded every two years at AGRITECHNICA since 1997.

The winner of the "Mid-range tractors" category is the new Fendt 600 Vario. The jury recognised the completely new development of the new Fendt series.

The "Farm Machine 2024 Audience Choice Award" was also won by the Fendt 600 Vario. With over 10,000 votes, it is the public's favourite in 2024. The Fendt trade fair newcomer prevailed against high-horsepower tractors, large combine harvesters and other harvesters.



Practical tests.

The Benchmark Olympics puts the Fendt 720 Vario Gen6, Fendt 720 Vario Gen7 and the new Fendt 620 Vario to the test in four disciplines. The tractive power, sprint, comfort and visibility of the three tractors are tested. The test and results are presented in three detailed episodes.

- Episode 1 (youtube.com)
- Episode 2 (youtube.com)
- Episode 3 (youtube.com)

In the Fendt TestCamp, 8 customers from Europe compare the new Fendt 620 Vario and the familiar Fendt 720 Vario Gen6. Three tests are completed – manoeuvrability, transport and field work. In the overall report, the 8 test customers give their opinions of the newly developed series.

- Fendt TestCamp 620 Vario and 720 Vario Gen7 (youtube.com)

Trade press.

Five key points from neutral testers of the Fendt 600 Vario at a glance

1st VarioDrive

Traction Nov/Dec 2023 – "Goodbye gears, hello VarioDrive"

- "Fendt has understood that the two speed ranges should be phased out after around 30 years – even if only a few of the nature green series still use the two speed ranges. In concrete terms, this means less responsibility for the driver. They no longer have to choose between speed range 1 or 2 and differentiate between towing work in the field or driving on the road."
- "The most important change is the hydraulic drive for the front axle. In addition to eliminating the drive gears, this also brings other advantages, such as permanent all-wheel drive and a reduced turning circle without torsions."
- "We can drive relaxed in the Fendt 620 Vario in front of the Köckerling cultivator, without having to think about four-wheel drive or driving gears."
- "We experienced remarkably good manoeuvrability in the Fendt 600 Vario in the field. The front axle pulls the tractor into the centre of the turn."

profi 11/23

- "Another unique feature in this class is that the front axle drive is independent of the rear axle. Dynamic control including slip measurement on both axles prevents the wheels from spinning. Added to this is the so-called "pull-in turn effect", which literally pulls the machine into the turn thanks to the intelligent four-wheel drive. Fendt promises an outer turning circle of less than 10.50 m with 540/65 R 30 tyres."



2nd Power and motor

Traction Nov/Dec 2023 - "More power with less rpms"

- "We purred across the field at 1,400 rpm. Only when we set the cultivator low and drove the engine picked up to 1,650 rpm. The vital signs of the AGCO engine are astonishing."
- "The torque of 950 Nm that the 620 Vario delivers is impressive. It is already available from 1,200 to 1,600 engine rpms. Some 6-cylinder engines can't even compete with that. In the internal ranking with the 720 Vario Gen6, the 620 even delivers 39 Nm more to the crankshaft than its cylinder-boasting brother."

profi 11/23

- "The performance data is impressive: the maximum torque of no less than 950 Nm between 1200 and 1600 rpm is said to be even higher than that of the Deutz six-cylinder engine in the old Fendt 720 Vario with 911 Nm."

3rd Concept and payload

Traction Nov/Dec 2023 – "Featherweight"

- "You have to give the Fendt developers credit for one thing: they know how to design lightweight tractors that can carry a lot of weight. The Fendt 600 Vario is also a small payload miracle. This will become increasingly important in the future in order to legally carry additional ballast, front tanks and folded implements."
- "The permissible overall weight of the Fendt 600 Vario is 13.5 tonnes. That's an extra 1 tonne to the smaller 700 Varios."

profi 11/23 – VarioGrip and 5.8 t payload

- "The Fendt 600 Vario also sets standards in terms of weights. According to Fendt, with an average operating weight of 7.7 tonnes and a permissible overall weight of 13.5 tonnes, that leaves a huge 5.8 tonnes of payload – very good!"
- "The fully integrated VarioGrip tyre pressure regulation system also gets the "very good" rating. It not only comes with a twin-piston compressor with 850 l/min, but can also be ordered for both flange and stub axles."

FENDT

Leaders drive Fendt.



www.fendt.com

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EN/2401



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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.