

Fendt 200 Vario V/F/P



FENDT

200 Vario – stepless to the top



The specialty tractors from Fendt look back on a long tradition and have always stood for reliability, profitability and a long-lasting value.

**Is it possible to top this with a new development?
Fendt has taken on this challenge and mastered it through the consistent further development of technology.**

The new 200 Vario tractors from Fendt open a new era in specialty tractors. They unite maximum ride comfort and optimum efficiency and are also the first and only stepless specialty tractors with the Vario transmission on the market.



Fendt 207 V/F	51 kW	70 hp
Fendt 208 V/F	59 kW	80 hp
Fendt 209 V/F/P	67 kW	90 hp
Fendt 210 V/F/P	73 kW	100 hp
Fendt 211 V/F/P	81 kW	110 hp

Maximum power kW/hp (ECE R 24)

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The Fendt specialty tractors provide what the market needs



More than fifty years of experience, continual development – adapted to the demands of the market – and state-of-the-art engineering. That sets the specialty tractors from Fendt – designed and built in the Allgäu – apart.

The milestones

In 1957, over 50 years ago, the first Fendt specialty tractor with 24 hp and an outer width of only 98 centimetres already left the assembly line in Marktoberdorf. The big breakthrough came with the first series of the V/F/P tractors in 1974. With a narrow outer width of only 92 centimetres these tractors from Fendt set new standards. The second generation of the Fendt specialty tractors were offered with an



1957



1974

1988



2003

2009

award-winning swinging power lift and had exceptional manoeuvrability thanks to the wasp-waist design of the body. Fendt set new standards with a new version of the specialty tractors in 2003. An exclusive front axle suspension with integrated stability control, a hydraulic centre and comfort cab are only a few features that made the Fendt specialty tractor so popular.

200 Vario – the specialty tractor for the future
Through continual development and a wealth of experience, Fendt has succeeded in building an incomparable specialty tractor. The new 200 Vario: incomparable in terms of profitability and ride and operating comfort.

200 Vario – the right one for everyone

200 Vario V:

The traditional vineyard tractor

- Traditional narrow vineyard tractor with tyres up to 24 inches
- From 70 - 110 hp (51 - 81 kW)
- For narrow spacings with widths from 1.50 m to 2.20 m, narrow outer width also makes it ideal for municipal work
- Narrow dimensions starting at an outer width of 107 cm
- Alternative: V with wide front axle for optimum manoeuvrability
- Applications: for wider spacings with widths from 1.80 m to 2.50 m



200 Vario F:

The medium-wide specialty tractor

- Medium wide specialty tractor with comfortable, wide cab and tyre sizes up to 28 inches
- From 70 - 110 hp (51 - 81 kW)
- Applications: row widths from 1.90 m to 3 m
Wide spacings, wine-growing with wide overhangs, fruit-growing with fruit trees that have grown together, vegetable-growing and farming in hothouses.
- Outer width starting at 1.32 m, depends on tyres



200 Vario P:

The wide specialty tractor

- Wide track specialty tractor – a wide track and large cab provide a high level of stability and comfort.
- From 90 - 110 hp (67 - 81 kW)
- Optimally suited for operations in fruit and wine-growing with wide spacings
- Ideal for hops-growing
- Row widths from 2.20 m to 5 m
- Outer width starting at 1.68 m



The 200 Vario is available in three versions to meet your requirements: a narrow, traditional vineyard tractor V, a medium-wide F for wide spacings and a wide P-tractor for hops and fruit-growing. An important advantage of the Fendt specialty tractors lies in the extensive, tailor-made line of optional equipment, with which the 200 Vario can be customised to meet all individual requirements, because each area of application needs its own 200 Vario.

Rear wheel drive version with highly efficient four-wheel brakes

A rear wheel drive version is available for the Vario 207 V/F and 208 V/F models. These tractors have a highly efficient four-wheel braking system. The front wheels are retarded with their own drum brakes. All other models are generally equipped with four-wheel drive.

If height is decisive – the low roof version

Upon request, a low roof version is available for all models. This decreases vehicle height by 15 cm. Just as in the normal version, these



tractors have both a heating and ventilation system. With standard tyres, the low roof version of the Vario V has a vehicle height of 2.21 metres and the F and P-versions are 2.29 metres high.

200 Vario with safety frame

All V- and P-models are available as a base model with a safety frame (fold-down optional). This is important for low entrances and passages.

Profi package

All models of the new 200 Vario can be equipped with the Profi package. You can select the appropriate hydraulic equipment level to meet the requirements of your operations.

The comfort cab – unprecedented legroom, optimum ergonomics and much more

A world first: the even cab floor on the new 200 Vario provides unprecedented legroom and makes climbing in and out easy. There is also more legroom since there are no operating elements in the foot area to get in the way.



Convenient temperature and fan controls



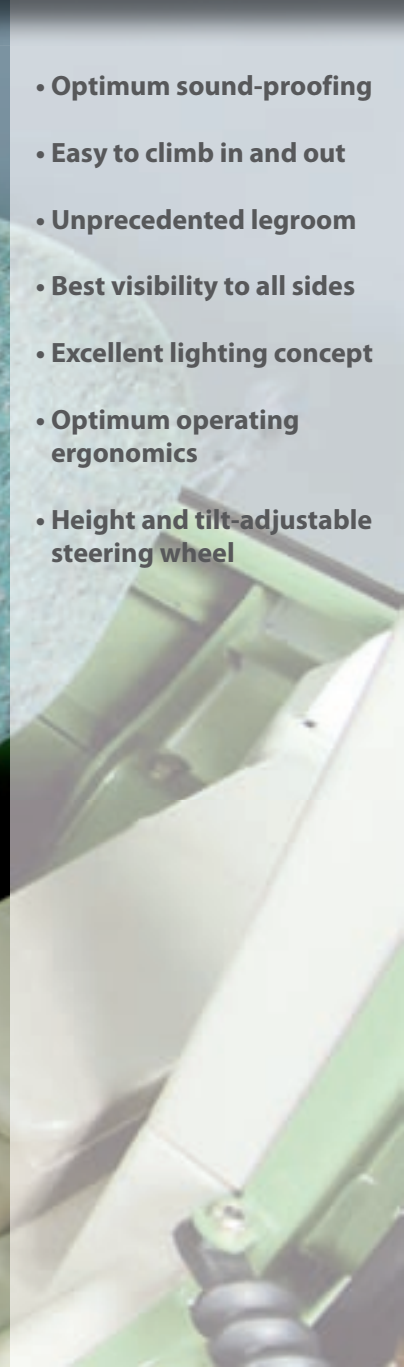
The cab on the new 200 Vario is equipped with hot water heating and has a perfected integral air-conditioning system (optional).



Take your place in the completely newly-designed cab on the 200 Vario and you will be amazed. The cab offers an unprecedented amount of legroom, since there is no transmission tunnel. The central operating unit on the right side, in which all working and operating functions are integrated, as well as the height and tilt adjustable steering wheel in the 200 Vario, give new meaning to operating ergonomics. Bothersome gear-shift or operating levers in the foot area are a thing of the past.

Even cab floor

Easy to climb in and out of – with the new 200 Vario, Fendt offers the first specialty tractor with an even cab floor. There is no transmission tunnel and with the central operating unit on the right side, there are no operating elements to get in the way in the foot area. The height and tilt-adjustable steering wheel and the comfort seat with air suspension (optional) ensure you are in the right position to help you stay fit on long working days.



- Optimum sound-proofing
- Easy to climb in and out
- Unprecedented legroom
- Best visibility to all sides
- Excellent lighting concept
- Optimum operating ergonomics
- Height and tilt-adjustable steering wheel

Perfect work environment

The efficient heating and ventilation system with integral air-conditioning ensures an optimum work environment. The hot water heating, which uses the water cooler, ensures a comfortable temperature in the cab, even on cold days.

Best visibility in all directions

The generous glass areas, the narrow steering column and the roof window provide an optimum view to the implements at all times. The interior lighting gives you an excellent

overview, even at night, allowing targeted control of all functions.

Quiet cab

Noise development is very low, thanks to conical bearings and the cab being isolated from the tractor body. The extremely well insulated cab and the water-cooled engine, which is extremely smooth-running at low engine speeds, ensure optimum sound-proofing.

Operating comfort at its best

Profi package



Multi-function joystick, with buttons for the rear power lift, control valves, 3rd and 4th electric circuit, cruise control and engine speed memory keys.

Crossgate lever, 1st and 2nd valve

Standard version



Vario joystick

Controls for 3rd and 4th hydraulic circuit

Engine speed memory key

Cruise control memory key

PTO controls

EPC control unit

Speed display

Multiple display

Hydraulic function controls

Multiple display controls

Comfort controls

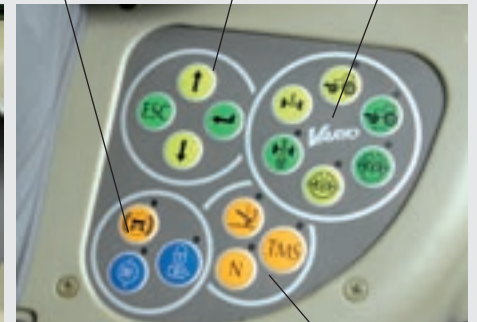


Control elements, control units 3 - 5



Instrument cluster

Speed display



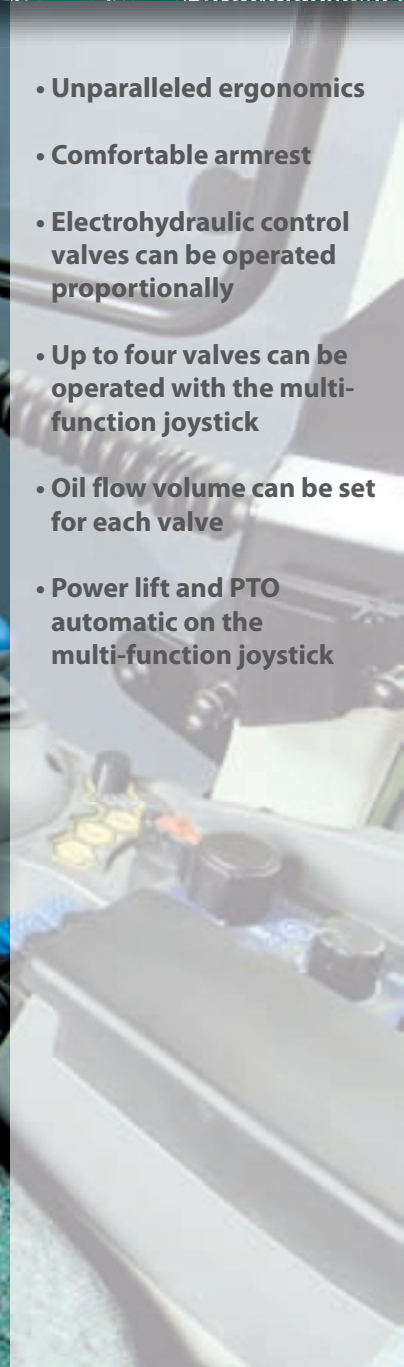
Dashboard control unit

TMS (optional) controls

Perfectly arranged operating elements as well as an ergonomically designed driver station make work significantly more effective and easier. That is why a central operating unit with integral armrest on the right side was developed for the 200 Vario. Depending on our needs, you can also upgrade your tractor with the optional Profi package.

Vario joystick functions, make work easier

The standard version is ideally suited for customers who, due to their area of operation, are looking for a simple and easy solution for controlling the hydraulics. At the core of the control concept is the Vario joystick, which is optimally adapted to the continuously variable transmission. It controls the transmission and the cruise control, activates the engine speed memory and actuates the 3rd and 4th hydraulic circuits. It also controls the Tractor Management System (TMS, optional).



- Unparalleled ergonomics
- Comfortable armrest
- Electrohydraulic control valves can be operated proportionally
- Up to four valves can be operated with the multi-function joystick
- Oil flow volume can be set for each valve
- Power lift and PTO automatic on the multi-function joystick

For the demanding: the Profi package

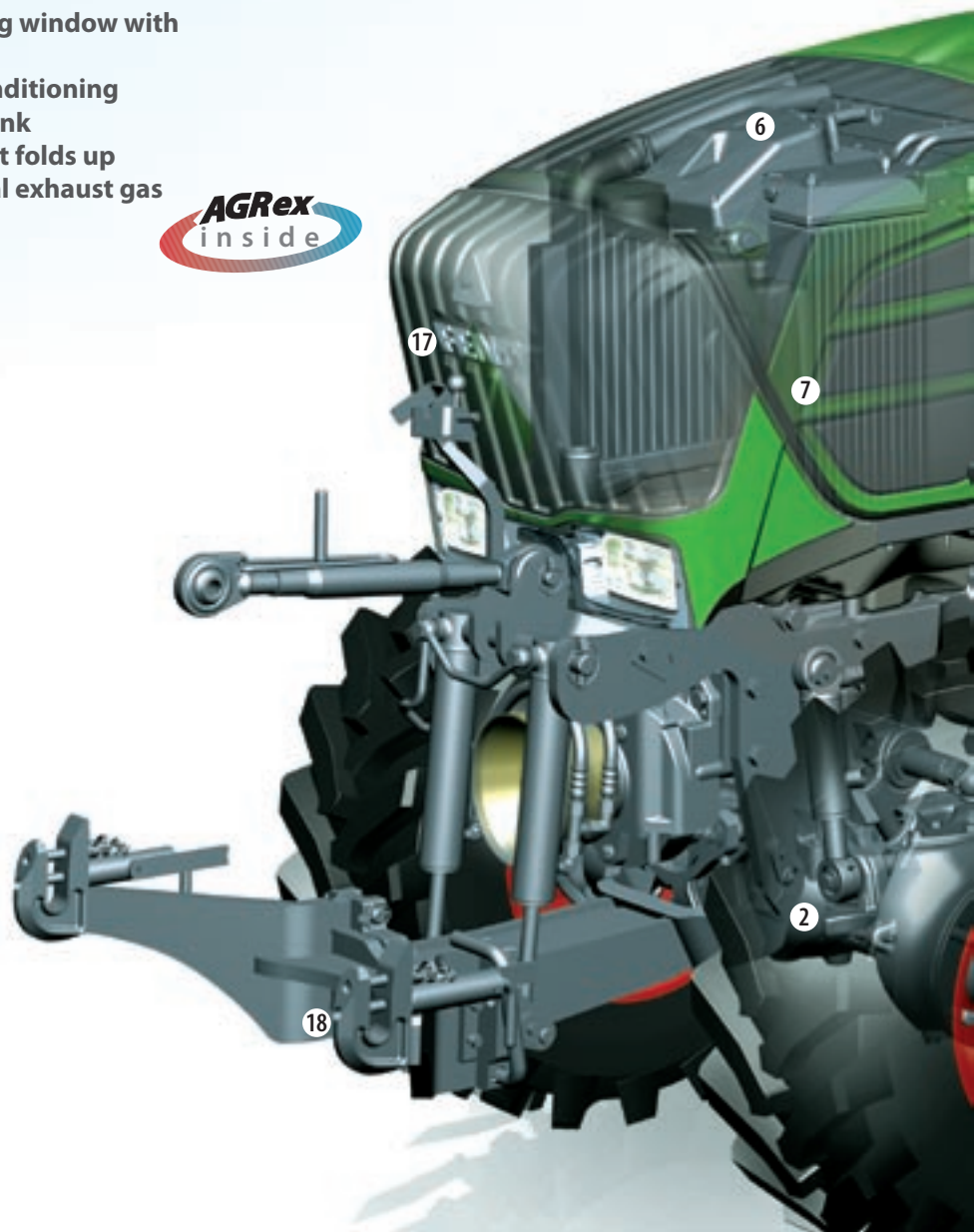
The Profi package leaves no wishes open and is ideal for high-tech applications and professional work. This enhanced equipment level includes additional control valve functions and automatic functions for the rear power lift and rear PTO, which can be controlled with the multifunction joystick. In addition to TMS, the Profi package also includes an integral reversing lever as standard. Control of up to six control units is possible.

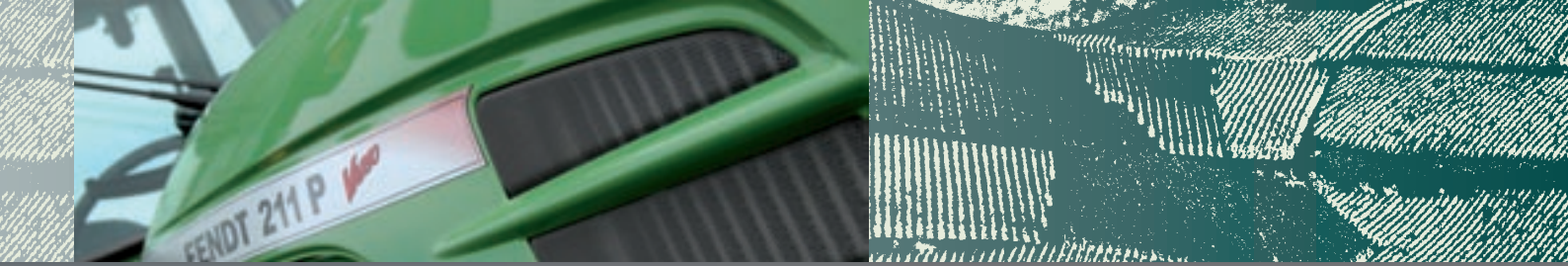
Sensitive controls

The crossgate lever permits sensitive control of valves 1 and 2. Valves 3 to 5 are controlled with three linear modules, which are conveniently located in front of the armrest. The PTO controls also lie well within reach. A membrane keypad is used to engage and disengage the PTO and enable the PTO automatic mode.

Overview of the 200 Vario V/F/P

1. Front axle with 58 degree steering angle
2. Front axle suspension with level control - hydraulic cylinders with +/- 40 mm suspension travel
3. Wasp-waist design
4. 3.3-l turbo three-cylinder
5. Vario transmission
6. Cooling system
7. Transmission oil cooler
8. Mid-mount area
9. Comfort seat
10. Height and tilt-adjustable steering column
11. High-tech hydraulics with up to 6 electric proportional valves
12. Hydraulic block
13. EPC with shock load stabilising
14. Comfort cab
15. Hinged viewing window with roller shade
16. Integral air conditioning
17. Integral fuel tank
18. Front power lift folds up
19. AGReX external exhaust gas recirculation





The 200 Vario – continuously variable speeds to the top



With the Vario transmission, you can drive forwards and reverse at continuously variable speeds.

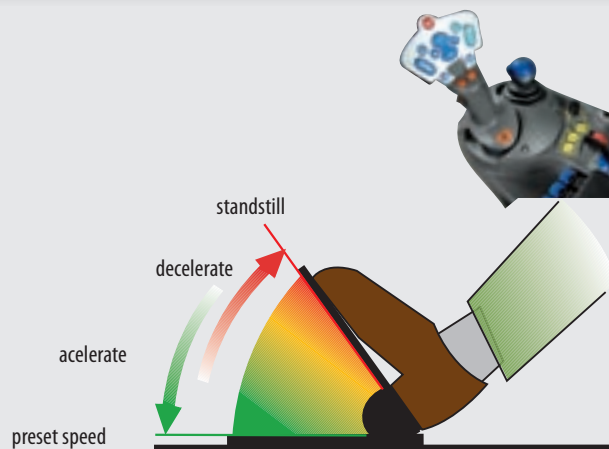


Driving forward

Push the joystick forward; the Vario accelerates forward from standstill.

Accelerate forward

Not fast enough? Then push the joystick forward a bit longer, until you have reached the desired speed.



Driving pedal mode

Set the direction you would like to drive with your left hand; then all that is needed to start the tractor is to press the driving pedal. In the driving pedal mode, only the right foot is required to drive the tractor – similar to a car with an automatic transmission. The further the pedal is pressed down, the faster the tractor goes.

Decelerate

If you are going too fast, pull the joystick back and the 200 Vario brakes the engine and transmission.

Reverse

Pull the joystick back and the Vario reverses from standstill. Faster or slower reverse speeds function in the same way as for forward travel.

Rapid or slow acceleration

How rapidly or slowly you accelerate or decelerate with the transmission is determined by which of the four pre-set acceleration rates you select with the thumb control.

Automatic forward/reverse

Direction changing in a flash: giving the joystick a quick tap to the left is all that is necessary to change driving direction from forward to reverse or vice versa. The Vario decelerates to a standstill by itself and then accelerates efficiently and smoothly in the opposite direction.

Cruise control

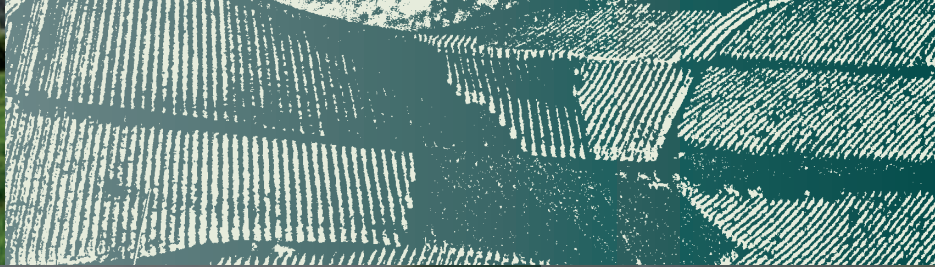
The cruise control maintains a constant pre-set speed. All that is required to activate it is to give the joystick a quick tap to the right.



When developing the 200 Vario, the engineers at Fendt stood before a great challenge: how to fit the Vario technology from the large tractors into a small space. The transmission was therefore especially adapted to the smaller size and special needs of specialty tractors. On the first stepless specialty tractor, the 200 Vario, the Vario transmission proves its capabilities and offers enormous benefits.

No jerking all the way to the top

A continuously variable drive enables exceptional precision in the row and at the headlands. The first stepless specialty tractor, the 200 Vario, allows you to drive at the optimum speed during all operations. Any speed is possible from 20 metres per hour to 40 km per hour. The speed can be adapted to the requirements without jerking, even on slopes. Thus the 200 Vario offers a high degree of safety even on steep slopes.



- Maximum working capacity with optimum fuel consumption
- Exceptional fuel economy
- Up to 10 percent more area coverage thanks to optimally adapted working speed
- Maximum safety – even on slopes
- 40 km/h top speed at a fuel-saving 1,750 rpm
- Lots of space since there is no transmission tunnel
- Driving speed can be set independent of the engine speed

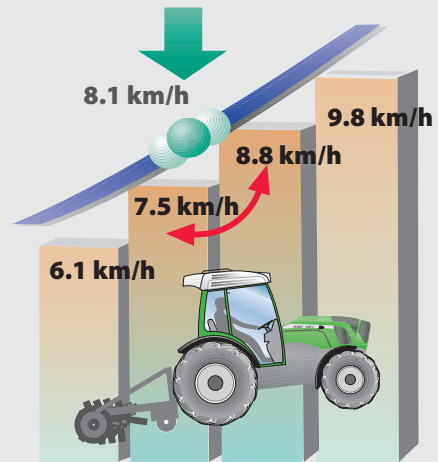
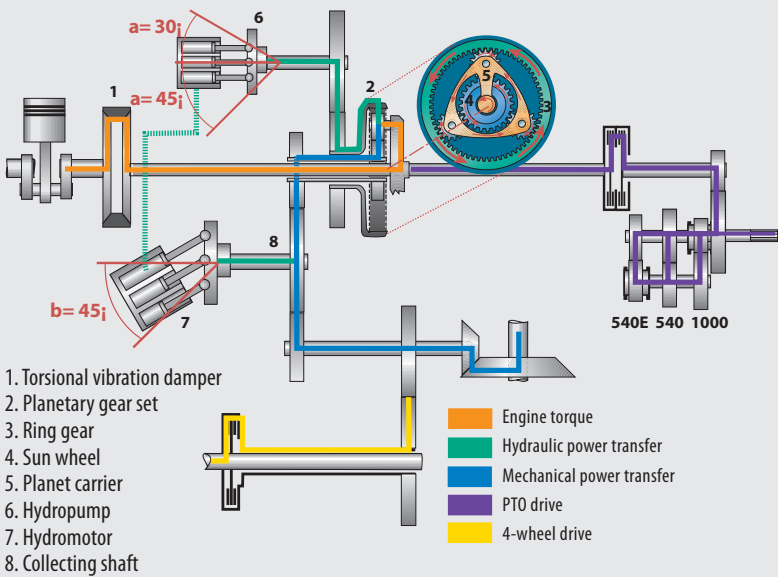
Save fuel and time

The savings potential of the continuously variable transmission is clearly noticeable. You save valuable working time – up to 10 percent – through higher area coverage and can also profit from low fuel consumption. Thanks to TMS the engine is always operating at an economical optimum, which optimises fuel consumption.

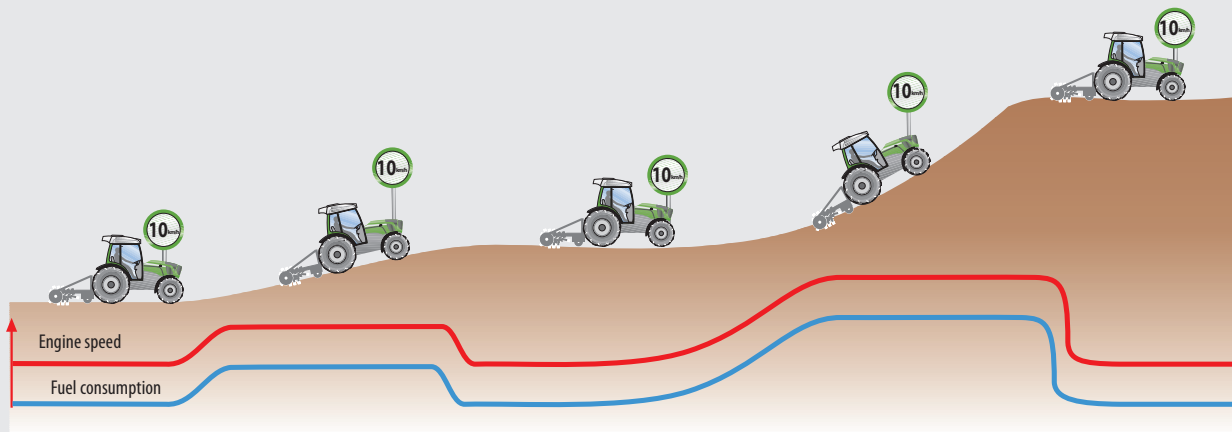
Available space – almost like the 200 Vario's big brothers

By moving a part of the Vario technology to the rear axle housing, the bothersome transmission tunnel in the cab has become a thing of the past. That increases ride comfort enormously and provides unrestricted legroom. The compact design also enables a short wheelbase for good manoeuvrability and small outer widths.

200 Vario – economical driving



Fendt Vario – better than power shift. With the Vario transmission, you can automatically utilise power reserves that are not available to modern power shift transmissions.



Automatically drive economically with the optional TMS Tractor Management System



With the reversing lever, you can change directions easily with your left hand.

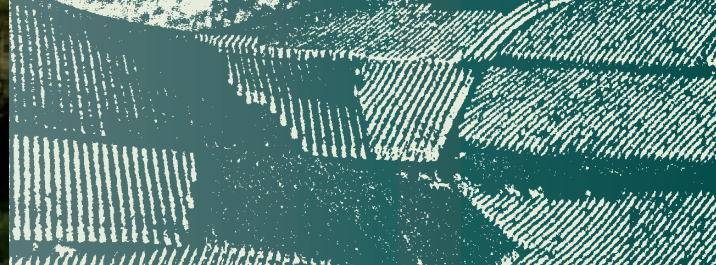
The overall profitability of a tractor plays an increasingly important role. Fuel consumption plays a crucial role here. With the Vario transmission, it is easy to always drive the tractor at an economical optimum, which greatly reduces fuel consumption.

Better than power shift

With continuously variable speeds, you can utilise power reserves that are not available to modern power shift transmissions. Vario allows you to mobilise the power reserves that are hidden in between the steps. That provides power flow without interruptions.

Drive economically

After it is enabled, the tractor management system (TMS, optional) regulates engine and transmission control. This increases operating comfort significantly, since drivers only need



- Mobilisation of hidden power reserves
- Vario joystick operation instead of multiple levers
- Super crawler gears included
- Turbo clutch function can be engaged and disengaged
- Stepless reversing of driving direction without wear
- Tractor Management System (TMS)
- Stop-and-go function

to set the desired speed, TMS controls the rest. With this system, the tractor drives at a reduced engine speed on level ground. On slopes, the load increases, so TMS automatically increases the engine speed. As soon as the load decreases again (on level ground or downhill), the quantity of fuel injected is reduced. With TMS, the tractor is therefore always operated at as low an engine speed as possible – operations with TMS are more economical.

Special equipment included

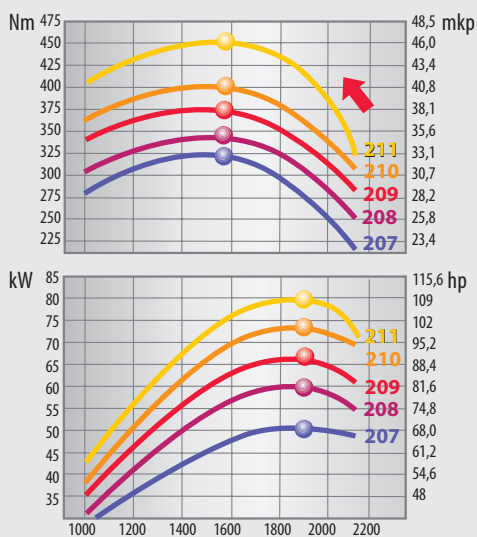
In addition to economic benefits, the continuously variable drive also offers you a one-of-a-kind benefit in operating comfort. A super crawler gearbox is no longer necessary, since these gears are already integrated in the Vario drive. Furthermore, the 200 Vario offers automated operation with cruise control functions and automatic maximum output control. The turbo clutch function offers a further plus in driving comfort, since it makes stalling the engine almost impossible.

The 200 Vario – high performance and economical operations



The external EGR system provides targeted cooling of recirculated exhaust, which lowers fuel consumption significantly better than internal exhaust gas recirculation systems.

The latest technology in engine design has been implemented in the 3-l-AGCO-Sisu-Power-engines, which allows the 200 Vario to attain high performance values with economical fuel consumption.



458 Nm torque, 110 HP max. power at 1,900 rpm and a specific fuel consumption of 210 g/kWh for the 200 Vario thanks to implementation of the latest engine technology.

The air filter with cyclone precleaner stands for maximum efficiency, despite the small installation space in specialty tractors.

The 3-cylinder-AGCO-Sisu-Power-engine was developed especially for the new 200 Vario in collaboration with the engineers at Fendt. It is a lively and dynamic engine that runs smoothly and delivers high performance values. During development, the focus was on optimising in-field performance values. It is therefore possible to perform row crop work at a fuel-saving 1,500 rpm, as well as work at a maximum speed of 40 km/h at 1,750 rpm.

Powerful engine – economical fuel consumption
The 3-cylinder-AGCO-Sisu-Power-engine has a very compact design, a speed independent common rail high injection system as well as fully electronic engine control. This allows the 200 Vario to always drive at an economical optimum, which makes it extremely economical. Of course, the Sisu engine on the 200 Vario complies with the current Tier III emissions standard.



- Compact 3-cylinder-AGCO-Sisu-Power-engine – developed especially for the 200 Vario
- Space-saving integration of the fuel tank (76-litre tank capacity)
- Compact cooling unit
- High-level technology for reducing fuel consumptions
- Common rail injection technology with external exhaust gas recirculation
- RME biodiesel can be used
- High performance filter guarantees long service life

AGRex – economical and environmentally-friendly

The high-performance injection system and the AGRex external exhaust gas recirculation system complement each other. Combustion is optimised through cooling and the exact proportioning of recirculated exhaust. Fuel consumption is substantially lower than that of simple internal exhaust gas recirculation systems.

High efficiency cooling

The newly designed cooling system on the 200 Vario has large intake areas. This results in less dirt in the radiator and optimised cooling performance, even during extreme operating conditions. The air filter with cyclone pre-cleaner guarantees a high filter service life and less maintenance work. It permits high air flow despite the small installation space.

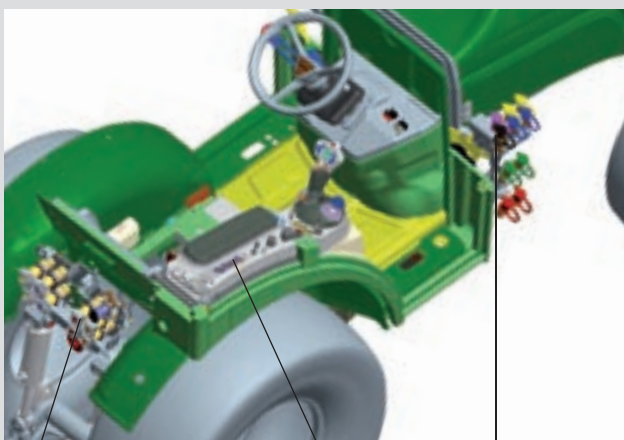


The 200 Vario can be used with RME biodiesel without restrictions. The use of rape methyl ester according to DIN EN 14214 (formerly DIN 51606) is fully approved by the manufacturer as standard specification. This allows you to profit from enormous cost benefits, because you do not require additional insurance and conversion is not necessary.

Maximum productivity through Fendt high-tech hydraulics

The armrest folds up to expose a rotary control that selects the button assignment for the multi-function joystick.

The oil flow volume of the individual valves can be set with the rotary controls.



Rear mounting area with max. 4 da functions

Easy operation with the right-hand control console

Hydraulic connections for the centre and front mounting areas



Valves 1 and 2 can be controlled very precisely with the crossgate lever. Additionally, the 3rd and 4th hydraulic circuit can be controlled with the buttons on the crossgate lever.



Modern implements demand ever greater flexibility and performance from the tractor hydraulics. Fast lifting and high oil delivery rates are required for economical and precise operation. The 200 Vario meets all the demands on the hydraulic system. With the high-tech hydraulic system from Fendt, implements that have many hydraulic functions, for example a leaf cutter, can be controlled easily and comfortably.

Powerful hydraulics

The 200 Vario is equipped with a load-sensing hydraulic system, i.e. modern axial piston pumps deliver precisely the amount of hydraulic oil that is required – up to 76 litres per minute (with flow collection 106 l/min). A maximum of 25 litres of hydraulic oil is available to mounted or trailed implements. The oil supplies for the transmission and hydraulics are separate. Unrestricted use of bio-oils for the hydraulics is therefore possible without problems.



- **Tandem pump:**
Hydraulic oil delivery capacity 76 litres
- **Hydraulic displacement pump:** delivery capacity 106 litres
- **Maximum lift capacities (200 Vario V):**
Rear: 2715 daN
Front: 2390 daN
- **EPC rear power lift**
- **Up to six electric auxiliary control valves**
- **Crossgate lever**
- **Max. available hydraulic oil: 25 litres**
- **Bio-oils can be used for the hydraulics**
- **A 65-litre hydraulic valve for larger quantities of oil (optional)**

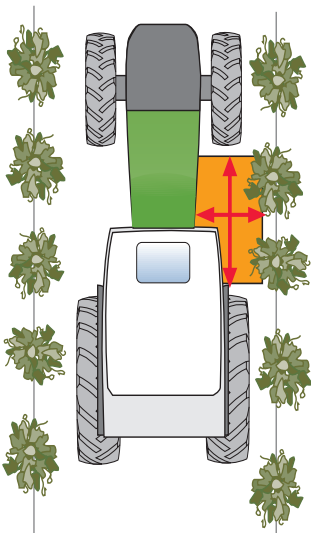
Auxiliary valve equipment for all cases

In the Profi package, the 200 Vario has four electric double-acting auxiliary valves as standard specification and can be optionally equipped with up to six valves. These are controlled using the crossgate lever, linear modules and the multi-function joystick – no additional control units are required and it is not necessary to reach for many different controls.

EPC rear power lift with reserves

The electro-hydraulic rear power lift, with a maximum lift capacity of 2,715 daN, guarantees that the heaviest rear implements can be lifted all the way without trouble. The standard-equipped shock load stabilising system counteracts vehicle bounce by actively lifting and lowering the power lift.

Mid-mount area for efficient working combinations



Efficiency thanks to mid-mount area

A 45-cm clearance permits excellent visual monitoring of implements. Four double-acting valves on the right-hand and 2 valves on the left-hand side, along with return flow and cross connection, permit optimal control of high-level hydraulic combinations. You can operate time and cost-saving implement combinations in three mounting areas simultaneously. Benefit: maximum efficiency and best ergonomics and outstanding profitability.

The 200 Vario offers three mounting areas: at the front, centre and rear. It is therefore ideally suited for operations with economical implement combinations. Combinations not only save operating time and machine costs, but also increase working quality by reducing driving tracks and soil compaction.

The implement mounting plate provides an additional mounting area between the axles. It is available as a factory-fitted option.

Optimal adaptation to the terrain

Comfort controls for swinging power lift

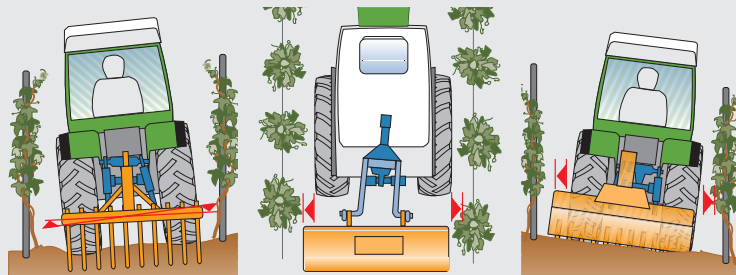
You have always wished that it could be this easy. You can control the lateral and tilt adjustment, including the additional swing and lock functions using the clearly laid out keypad. You can monitor tilt with the tilt control indicator in the cab, which is conveniently located next to the EPC hitch controls. The hydraulic lateral and tilt control has 4 functions that can be actuated with the touch of a button: adjustment to the left and right as well as floating position and lock.

Practical advantages of tilt adjustment

The rear-mounted implement can be guided precisely within the row on slopes using two hydraulic cylinders (optional).

Practical advantages of lateral control

The lower links can be locked or set to floating position, allowing rear-mounted implements to be guided precisely within the row.



Power lift control on load-sensing pin Cylinder for tilt adjustment Lifting cylinder Cylinder for lateral adjustment Lower link



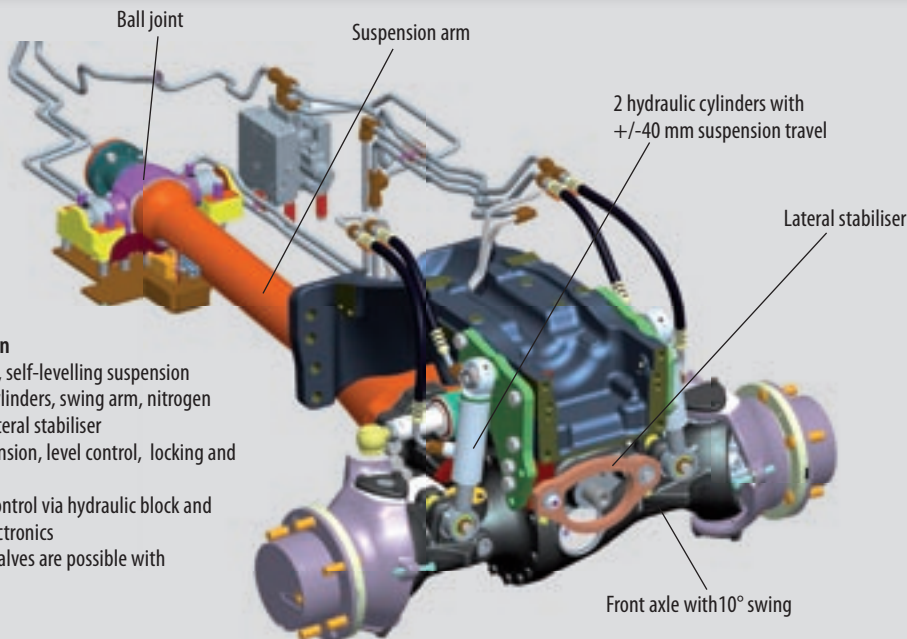
The lower links on the front power lift can be folded up without using tools.

The swinging power lift can be adapted to difficult slopes hydraulically. The infinitely adjustable tilt and horizontal control directly from the driver seat, the V- and F-tractors provide enormous benefits when working with a ripper, plough or fork lift.

Lateral control allows implements to be guided precisely within the row. Implements can be adjusted to the left or right on slopes. Ground cultivation and weed control can be carried out right up to the base of the vine without damaging it.

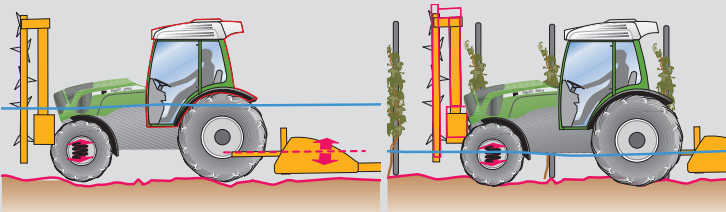
The tilt adjustment adapts the fork lift or mulcher to the existing slope using 2 cylinders. Floating or locking is possible in any position. This allows the ground to be worked evenly and the fork lift can be operated independent of the position of the tractor.

New dimension in productivity: front axle suspension with level control



Suspension design

- Hydropneumatic, self-levelling suspension with hydraulic cylinders, swing arm, nitrogen reservoirs and lateral stabiliser
- Functions: suspension, level control, locking and anti-roll control
- Activation and control via hydraulic block and independent electronics
- Up to 6 electric valves are possible with suspension



Ride comfort in row crops

The high-level ride comfort results from the intelligent interaction of three systems: the front axle suspension with level control, the cab with silent bearings and active shock load stabilising at the rear.



Suspension in operation with a leaf cutter
When cutting leaves, the suspension with anti-roll control dampens uneven ground reliability and sensibly with FSC. It ensures that working height and lateral tilt remain constant.

Benefits for drivers:

Relaxed working conditions, since drivers do not need to make constant adjustments.

The front axle suspension with level control on the Fendt 200 Vario specialty tractors guarantees maximum ride comfort, best driving safety and optimum traction. This provides considerable advantages, especially on steep slopes, since all four wheels are in contact with the ground longer. The anti-roll control also ensures safety and stability in the row. With active shock load stabilising and lifetime high-performance brakes, the 200 Vario has unprecedented ride comfort.

Exceptional ride and operating comfort
The intelligent combination of three systems guarantees maximum ride and working comfort: self-levelling front axle suspension with anti-roll control, a cab with silent bearings and active shock load stabilising. This reliably minimises shock loads and counteracts uneven ground on the road and in the field – by up to 20 percent. Level control permits high payloads and ensures a constant, high degree of suspension comfort even with high loads.









- One-of-a-kind operating and driving comfort
- Suspension comfort remains constant thanks to level control
- Maximum steering precision, driving stability and braking safety through FSC
- Relaxed working conditions
- Best transfer of power through optimum ground contact
- Optimum climbing capability and traction on slopes
- Lockable for precise control of implements and convenient mounting and removing of front-mounted implements
- Less wear on tractor and implements

Front axle suspension

The front axle, which is pushed by a swing arm, detects uneven surfaces and transmits these findings to hydraulic cylinders. The oil displaced in the cylinders presses against the nitrogen reservoirs, where the shock loads are dampened. The integral automatic level control with position sensor, guarantees constant suspension comfort independent of load. The front axle, featuring a 10 degree swing, ensures better adaptation to the terrain along with excellent traction and optimum steering and braking

safety. Anti-roll control guarantees a high degree of stability and operating safety, especially when working with mounted implements.

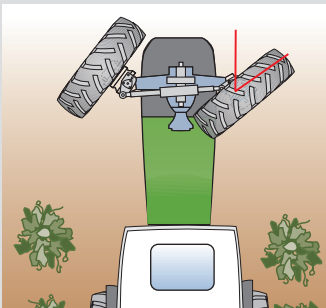
Manoeuvrability on the narrowest tracks

Symbol	Function	Advantages
	4WD permanently engaged	<ul style="list-style-type: none"> • Full transfer of power
	4WD automatic <ul style="list-style-type: none"> • 4WD engages and disengages at an 20° steering angle • at 20 km/h 	<ul style="list-style-type: none"> • Driver relief • Ground protection • Full manoeuvrability • Less tyre wear
	Permanent 100% multi-disc differential locking	<ul style="list-style-type: none"> • Full power transfer even under severe conditions
	Differential lock automatic <ul style="list-style-type: none"> • engages and disengages at 20 km/h • at an 12° steering angle 	<ul style="list-style-type: none"> • Driver relief • Easy manoeuvring • Higher transfer of tractive power

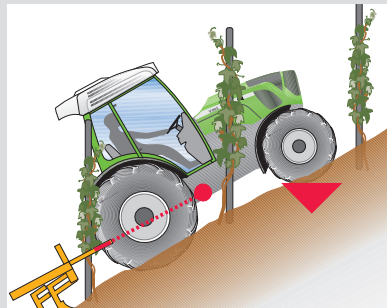
Intelligent 4WD and differential lock system

All functions are operated conveniently via the control console, which is located directly in the driver's field of vision. The 4WD and differential locks are perfectly adapted to different ground conditions and are engaged and disengaged depending on steering angle and speed.

Benefit: less soil compaction when negotiating curves and excellent traction.

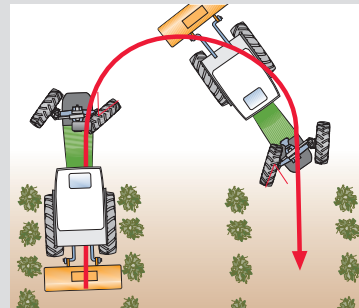


The secret of the exceptional manoeuvrability of the 200 Vario lies in the combination of the wasp-waist design of the tractor body and the 58 degree steering angle.



Maximum traction and climbing capability

The secret lies in the swinging power lift (V/F-tractors) and the tractive point that lies in front of the rear axle. When stronger traction is required, more weight is transferred to the front axle. Together with the intelligent 4WD and differential lock technology, this means high traction and climbing capability, as well as less soil compaction through reduced wheel slipping.



Small turning circle, excellent handling

The turning circle of the 200 Vario has been reduced and is smaller than the already good turning circle of its predecessor, depending on track width and tyres. For instance, the smallest turning circle is at 3.2m with 7.5 L 15 tyres fitted. You will notice this immediately at the end of the row, where you can quickly switch to the row after the next without having to change direction.

The high-quality axle design unites exceptional manoeuvrability and robustness with excellent handling. A 58 degree steering angle, wasp-waist design, three degree castor angle and the robust planetary final drives with excellent payload capacity, build the basis for high performance. It is therefore easy to change over to the next row at the end of the row.

High-quality four-wheel drive axle

The fully loadable four-wheel drive axle has a three degree castor angle, double universal

joints and an especially robust planetary final drive. The 200 Vario tractors therefore have excellent straight-ahead driving and very stable handling. The swing angle of eight degrees (with front axle suspension even ten degrees) enables excellent adaptation to the ground and optimum traction.

Sensitive high-performance brakes with long service life

The four-wheel braking system is practically maintenance-free and ensures safe driving on slopes or on the road. It comprises two





- Best manoeuvrability through 58° steering angle, wasp-waist design and 3° caster angle
- Excellent straight-ahead driving as well as stable handling
- Excellent adaptation to the ground and optimum traction
- Sensitive high-performance brakes
- Locks can be engaged and disengaged under load

integrated multi-disc brakes for the rear wheels and a multi-disc pack for the 4WD engagement on the front wheels. The brakes are automatically sprayed with fresh oil every time they are actuated, which reduces thermal loads to a minimum. On the rear wheel drive version, hydraulic drum brakes retard the front wheels.

High-quality multi-disc differential locks

Through the use of high-quality 100 percent locking differentials at the front and rear (V and F), the locks can be fully engaged and disengaged under load. The locks release

immediately when disengaged, in contrast to conventional dog clutches, which do not release under tension. The P-tractor has a tried and proven Locomatic self-locking differential in the front axle.

If you switch off the engine on a slope while the 4WD and differential locks are engaged, these functions are automatically fully reactivated later, when the tractor is restarted.

Innovative technology, intelligent services – all from one source

Consultation: the way to a custom Fendt

Fendt sales agents are experienced specialists who can provide you with extensive advice and information on technology, equipment and the overall profitability of a Fendt tractor.

More freedom for investments – the AGRICREDIT financial services

Financing through AGRICREDIT guarantees attractive conditions and flexible repayment periods, customised to meet your needs.



A trial run in the field – experience the difference

You cannot pass judgement on a Fendt tractor without the experience of driving one in the field. Fendt tractors enjoy a first-class reputation for superb driving and working comfort. Not until you have driven a Fendt, do you realise how big the difference really is when compared with other tractors.

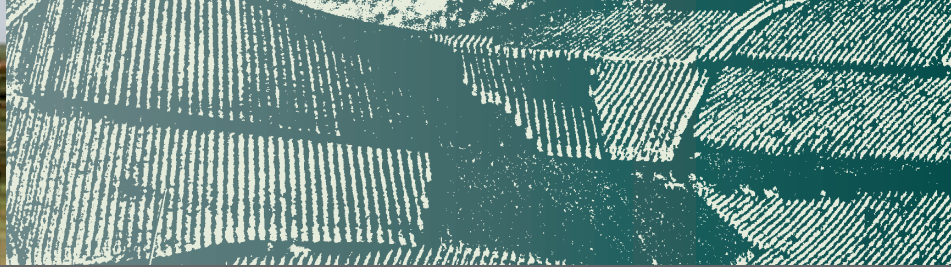
Renting creates freedom

Do you need a vehicle to fill a short-term capacity requirement, or do you want use one over a longer period of time without purchasing? Are you looking for a tax advantage or do you require solvency for another investment? Fendt StarService offers you solutions.

It is clear that you get cutting-edge technology with a Fendt tractor. But that is not enough for a successful business nowadays. That is why Fendt sales partners also offer a wide range of services. All from one source.

Competent consultations and demonstrations

Fendt dealers and distributors receive regular training and are specialists for Fendt products. They have in-depth knowledge of the entire product line and will offer you competent consultation. Ask your local Fendt sales partner. Or contact us at www.fendt.com to arrange an individual Fendt demonstration.



Know-how through practical training

Profit by technically and economically optimising operations with your Fendt tractor, whether in the field, on the road or in the books. Professional instructors show you how to utilise top class technology efficiently and safely, in theory and practice.

Fast diagnostics thanks to FENDIAS

The StarService technician uses FENDIAS to gain access to the digital data inside your Fendt. Furthermore, if required, data is gathered and analysed while the machine is running – for example, data from the hydraulics or the transmission. All for the sake of fast error diagnostics and operational availability.

FENDT StarService Emergency Hotline

Available 7 days a week!¹⁾ FENDT StarService Partners are mobile and have only one objective: to keep your Fendt operationally available, primarily through preventative measures. Should something actually happen, fast and competent help is available through the Emergency Hotline – even on-site at your farm or business! ^{1) during the harvesting season: May to October}



Original Fendt parts – so your Fendt stays 100% Fendt

Original Fendt parts are tailored to your Fendt. They carry the assurance of series quality and are tested for functional reliability. That pays off in many ways: – 12 month warranty on original Fendt parts and their installation – the highest level of operational reliability – top resale value.

Mobile service

Every StarService partner has a modern service vehicle. Tried and tested, optimised tools, as well as service documentation and FENDIAS, the computer-supported analysis and diagnostics system, are always on board. This allows the mobile StarService technician to localise and rectify errors quickly.

Fendt24 - because your time is invaluable!

Your StarService partner has the most commonly required parts in stock. If a part is not in stock, we deliver those that are ordered by 6 pm by 8 am the next morning. During the harvesting season¹⁾ your StarService partner has access to Fendt24. Here orders are taken around the clock and are ready for delivery within two hours.

Profitability under contract

With a Fendt Service Package, you have servicing and repair costs under control. Would you like to have the prescribed servicing work done on the basis of reasonable fixed costs? Or do you want full control of costs per operating hour without unpleasant surprises? Choose between the Service, ProService and FullService packages.

Rent a tractor

Rent a tractor including the Service Package at a fixed cost through your Fendt StarService partner. This frees up your funds and you can easily calculate the costs per hour. If desired, we can take over all servicing work, complete insurance coverage and repairs*.

**Repairs according to FENDT warranty policy; natural wear (e.g. tyres) and malicious damage are excluded.*

Technical Specifications

	207		208		209			210		
	V/VA	F/FA	V/VA	F/FA	VA	FA	PA	VA	FA	PA
Engine										
Rated power (kW/hp) ECER24	44/60	44/60	52/70	52/70	59/80	59/80	59/80	66/90	66/90	66/90
Maximum power (kW/hp) ECER24	51/70	51/70	59/80	59/80	67/90	67/90	67/90	73/100	73/100	73/100
Rated power (kW/hp) EC 97/68	52/71	52/71	60/82	60/82	67/91	67/91	67/91	73/99	73/99	73/99
Maximum power (kW/hp) EC 97/68	55/75	55/75	63/85	63/85	70/95	70/95	70/95	77/105	77/105	77/105
No. of cylinders/cooling	3/water	3/water	3/water	3/water	3/water	3/water	3/water	3/water	3/water	3/water
Bore/stroke (mm)	108/120	108/120	108/120	108/120	108/120	108/120	108/120	108/120	108/120	108/120
Cubic capacity (cm ³)	3300	3300	3300	3300	3300	3300	3300	3300	3300	3300
Rated speed (rpm)	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100
Opt. fuel consumption (g/kWh)	212	212	212	212	210	210	210	210	210	210
Max. torque Nm/rpm 1600 rpm	295	295	337	337	373	373	373	408	408	408
Torque rise (%)	35	35	32	32	30	30	30	30	30	30
Tank capacity (l)	76	76	76	76	76	76	76	76	76	76
Transmission and PTO										
Transmission type	continuously variable Vario transmission									
Driving range (forward/reverse)	4WD: 0.02 to 40 km/h / 0.02 to 25 km/h 2WD: 0.02 to 35 km/h / 0.02 to 25 km/h									
Maximum speed RWD/4WD (km/h) ²⁾	35/40	35/40	35/40	35/40	40	40	40	40	40	40
Powershiftable rear PTO standard upon request	540 / 540E / 1000									
Powershiftable front PTO (optional) ¹⁾	540 / 540E / ground PTO ¹⁾									
Hydraulics										
Types	Electrohydr. power lift control (EPC) with shock load stabilising or EHL position control upon request									
Control	free floating, position, draft and infinitely adjustable mixed control									
Hydraulic pump (l/min)	Tandem pump (35+41) load-sensing system with displacement pump (35+71) ¹⁾									
Operating pressure (bar)	200	200	200	200	200	200	200	200	200	200
Aux. control valves, max. centre/rear	6/4	6/4	6/4	6/4	6/4	6/4	6/4	6/4	6/4	6/4
Max. available oil volume (litre)	25	25	25	25	25	25	25	25	25	25
Flow capacity of control valves	all valves: 0-40 litres, 3rd valve with 0-65 litres ¹⁾									
Max. lift capacity rear power lift (daN)	2775	2417	2775	2417	2775	2417	3134	2775	2417	3134
Max. lift capacity front power lift (daN) ¹⁾	2380	2380	2380	2380	2380	2380	2540	2380	2380	2540
Brakes										
Brakes rear	wet ring piston brake									
Four-wheel braking system for 4WD/2WD	autom. 4WD engagement / hydraulic drum brake									
Electrical equipment										
Battery (Ah)	50									
Three-phase alternator	14V / 120A									
Weights and dimensions										
Unladen weight with cab (kg)	2780	2860	2780	2860	2780	2860	3080	2780	2860	3080
Unladen weight with safety bar (kg)	2580	---	2580	---	2580	---	2860	2580	---	2860
Max. perm. overall weight RWD/4WD (kg)	4000/4500	4000/4500	4000/4500	4000/4500	4500	4500	5300	4500	4500	5300
Max. vertical hitch load (kg)	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
Overall length (mm)	3578	3683	3578	3683	3578	3683	3701	3578	3683	3701
Overall width narrow/wide (mm)	1070/1161	1340	1151/1269	1372	1151/1269	1372	1679	1269/1269	1372	1679
Wheelbase (mm)	2160	2160	2160	2160	2160	2160	2160	2160	2160	2160
Overall height comfort cab (mm)	2360	2443	2390	2462	2390	2462	2486	2390	2462	2486
Overall height low roof version (mm)	2210	2293	2240	2312	2240	2312	2336	2240	2312	2336
Overall height safety bar high (mm)	2383	2383	2413	2413	2413	2413	2509	2413	2413	2509

¹⁾ upon request ²⁾ Speed depends on tyres

Tyres

Standard equipment Optional equipment

211		
VA	FA	PA
74/100	74/100	74/100
81/110	81/110	81/110
74/101	74/101	74/101
85/115	85/115	85/115
3/water	3/water	3/water
108/120	108/120	108/120
3300	3300	3300
2100	2100	2100
210	210	210
458	458	458
44	44	44
76	76	76
40	40	40
200	200	200
6/4	6/4	6/4
25	25	25
2775	2417	3134
2380	2380	2540
2780	2860	3080
2580	---	2860
4500	4500	5300
1500	1500	1500
3578	3683	3701
1305/1305	1372	1717
2160	2160	2160
2390	2462	2488
2240	2312	2338
2413	2413	2511

	Tyres		Tracks		Min. width rear
	rear front	wheel drive rear	min. front	track rear	
207V/208V	7.5L-16	280/85R24	940	777	1070
	7.50-16	320/85R24	940	831	1151
	6.00-16	see 4WD	820	see 4WD	
207 VA/208 VA/209 VA/ 210 VA 211VA	4WD				
	front	rear			
	7.5L15	280/85R24	794	777	1070
	7.5R16	320/85R24	862	831	1155
		12.4R24		831	1152
		360/70R24		857	1202
	280/60-15.5	420/65R20	946	887	1297
		400/70R20		927	1325
	10.0/75-15.3	320/85R24	844	831	1151
		12.4R24		831	1152
		360/70R24		857	1202
	11LR-16	380/70R24	948	897	1277
		440/65R24		957	1377
	265/70R16	12.4R24	852	831	1152
		320/85R24		831	1155
	400/60-26.5		957	1357	
207 VA/208 VA/209 VA/ 210 VA 211VA wide	280/70R16	320/85R24	852	831	1155
		12.4R24	831	831	1152
		340/85R24		857	1209
		360/70R24		857	1217
		440/65R24		957	1377
	320/65R16	380/70R24	948	897	1277
		440/65R24		957	1377
	7.5L-15	280/85R24	894	831	1124
	7.50R16	320/85R24	962	869	1193
		12.4R24		869	1190
	360/70R24		857	1202	
280/60-15.5	420/65R20	1046	887	1297	
10.0/75-15.3	12.4R24	944	869	1193	
	320/85R24		869	1190	
	380/70R24	952	897	1277	
	440/65R24		957	1377	
	380/70R24	952	897	1277	
	440/65R24		957	1377	
207 F-208 F	rear wheel				
	7.50R16	12.4R28	940	1000	1322
	13.6R28		1000	1372	
	10.0/75-15.3	see 4WD	1036		
207 FA - 211 FA	280/70R18	12.4R28	1048	1000	1322
		14.9R24		1057	1459
		420/70R24		1088	1477
		420/65R28		1057	1477
	280/80R18	13.6R28	1064	1000	1372
		380/70R28		1057	1447
		340/85R28		1000	1343
	11LR16	380/70R24	1048	1057	1497
		440/65R24		1057	1497
	320/65R16	380/70R24	1048	1057	1437
		440/65R24		1057	1497
	320/65R18	420/70R24	1064	1057	1477
		420/65R28		1057	1477
	340/65R18	13.6R28	1064	1000	1372
		380/70R28		1057	1447
	340/85R28		1000	1343	
209 PA - 211 PA	280/80R18	380/85R28	1212	1288	1668
		14.9R28		1188	1598
		420/70R28		1288	1703
	280/70R20	420/70R28	1212	1288	1703
		380/85R28		1288	1668
		14.9R28		1188	1598
		480/65R28		1288	1739
	11LR16	14.9R24	1294	1288	1696
		420/70R24		1288	1703
	340/65R18	14.9R28	1316	1788	1598
	380/85R28		1288	1679	
	420/70R28		1288	1708	

* depends on individual country regulations

Standard Optional

	200 V(A)	200 F(A)	200 PA
■ = Standard/ □ = optional/ - = not avail.			
Engine			
Turbo engine with water cooling	■	■	■
External exhaust gas recirculation AGRex	■	■	■
Air filter - precleaner (integral)	■	■	■
Cold-start system	■	■	■
Engine preheater	□	□	□
Transmission			
Turbo clutch function	■	■	■
Cruise control, automatic max. output control	■	■	■
Vario™S - Engine-Transmission Management System	□	□	□
PTO			
Rear 540 / 750 / 1000 rpm	■	■	■
Rear 540 ground PTO 750 rpm	□	□	□
Front 540 rpm or 1000 rpm	□	□	□
Comfort engagement PTO, electrohydr. preselection	■	■	■
External controls for rear PTO	■	■	■
Chassis, driving safety			
Front axle with level control	□	□	□
Shock load stabilising, EPC power lift	■	■	■
Air compressor system	-	-	□
Power lift			
Electrohydraulic power lift control EPC	■	■	■
Swinging power lift	■	■	-
Mech. lateral and tilt adjustment	■	■	-
Hydr. lateral and tilt adjustment	■	■	-
with comfort controls	□	□	-
EHL power lift	□	□	□
Quick coupler	□	□	□
Steep lift	□	□	□
Front power lift	□	□	□
4WD - differential locks			
Comfort engagement control 4WD/differential locks steering angle and speed-controlled	■	■	■
Automatic front differential lock	-	-	■
Rear and front differential with disc locks	■	■	-
Fully protected drive shaft	■	■	■
Hydraulics			
Hydraulic tandem pump (max 76 l/min) with hydraulic oil cooler	■	■	■
Displacement pump (max. 106 l/min)	□	□	□
2 electr. proportional valves - da-flow control-floating position	■	■	■
Up to 6 electr. proportional valves	□	□	□
Crossgate lever	■	■	■
Impulse socket for external implement control	■	■	■
Tilt indicator, swinging power lift	□	□	□
Cockpit			
Safety bar	■	-	■
Vario Joystick	■	■	■
Height and tilt adjustable steering column	■	■	■
Automatic turn signal cancelling	■	■	■
Aux. lighting front (integral)	□	□	□
Comfort seat with fore/aft suspension, lumbar support	■	■	■
Comfort seat with air suspension	□	□	□
Comfort cab	□	■	□
If equipped with Comfort cab:			
Multi-function joystick	□	□	□
Hinged front / rear window	■	■	■
Hinged roof window with roller shade	■	■	■
Hot water heating with three-speed fan	■	■	■
Integral air-conditioning system	□	□	□
Emissions filter	□	□	□
Work lights rear	□	□	□
Telescoping sideview mirror	□	□	□
Additional equipment			
Low roof version	□	□	□
Implement mounting plate	□	□	□
Ballast weights	□	□	□
Speed socket	□	□	□
Roof flasher front*	□	-	-

The 200 Vario – incomparable



Agent:

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



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