

Fendt 900 Vario

924 • 927 • 930 • 933 • 936 • 939



FENDT **ET** EFFICIENT
900 **ET** TECHNOLOGY

FENDT

The new Fendt 900 Vario. The top-level executive talent.

The new Fendt 900. The executive.

The Fendt 900 Vario is the “executive” on the tractor market. As the most powerful standard tractor with a maximum output of 390 hp, it delivers power and performance like no other, and intelligently converts it into pure efficiency. With powerful leading qualities, the new 900 Vario is the top contender for an executive position in your farming business.

9391



Vario

Fendt 924 Vario	240 hp	176 kW
Fendt 927 Vario	270 hp	199 kW
Fendt 930 Vario	300 hp	221 kW
Fendt 933 Vario	330 hp	243 kW
Fendt 936 Vario	360 hp	265 kW
Fendt 939 Vario	390 hp	287 kW

Maximum output to ECE R24

The Philosophy: MORE from LESS

Innovations, perfectly implemented, are only meaningful and valuable, if they provide an efficiency-enhancing benefit. That's what Fendt Efficient Technology stands for. The Philosophy: MORE from LESS – achieve more using less resources, such as time, fuel or inputs. Experience how the Fendt Efficient Technology gives you the decisive edge in cost-effectiveness and profitability. Because efficiency is our driving force – for your long-term success.

FENDT  **EFFICIENT**
900  **TECHNOLOGY**

More profitability:

- 17,500 litres of fuel saved with SCR*
 - Fendt automated efficiency functions make saving easy
 - Automatically drive at the power limit with the automatic maximum output control
 - Save 10 percent fuel with VarioGrip
- *In-house comparison Fendt Vario stage 3 and 3b


More performance:

- Top model 939 Vario with 390 hp
- 60 km/h for 16 percent higher transport capacity
- Haul up to 37 tonnes more per day

More for the environment:

- 95 percent less NO_x
- 95 percent less particulate matter
- Less CO₂ emissions through lower fuel consumption
- Less operating materials through less overlapping
- Less soil compaction with VarioGrip





More innovations:

- 390 hp in standard tractor
- VarioGrip tyre pressure regulation system
- ABS anti-lock brake system

More comfort:

- 3.5 m³ operator paradise with panorama view
- Up to 1,920 hand movements less a day
- Finally, all functions in one terminal
- Work up to 1,250 hectares more with VarioGuide

More versatility

- 22 connections for maximum versatility
- Can be used 365 days a year
- Reverse drive option for performing work in reverse just as well as forward

More safety:

- Seven points for comfort and driving safety
- Safe driving on the road and in the field
- ABS for more stability when braking

More information:
www.fendt.com/efficient-technology

The executive corner office with lots of space

The 900 Vario offers you a workplace that gives you plenty of free space. From the driver seat, you can control all working procedures with the new Variotronic and always have everything in view. Automated functions, automatic air-conditioning and much more keep your performance and concentration at a high level over the entire work day.





Your benefits

- 3.5 m³ driver paradise with panorama view
- 1,920 hand movements less a day
- All functions in one terminal
- Work up to 1,250 hectares more with VarioGuide

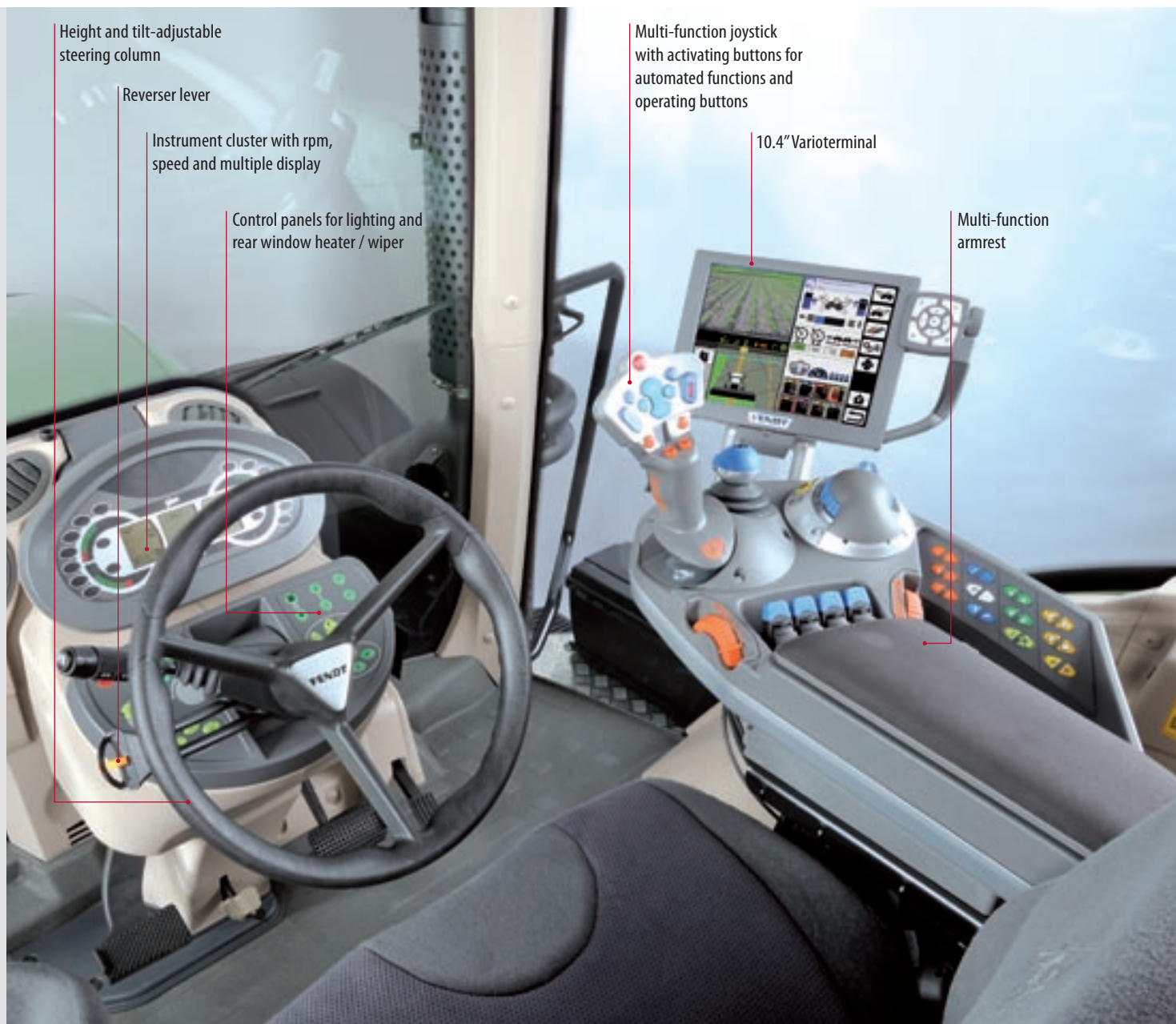
A workplace for high performance

3.5 m³ driver paradise with panorama view

Take your place in the big x5 cab, which offers a generous amount of space and provides exceptional visibility through the large glass areas – a true panorama view. The automatic air-conditioning system guarantees a pleasant temperature in the workplace at all times, beverages from the air-conditioned cool box provide refreshment. On cold days, the seat heater is a plus in comfort that you wouldn't want to do without. And when you're not working alone, your passenger will find a comfortable place in the comfort passenger seat.

1,920 hand movements less per day

During turning manoeuvres at the headland, operators usually have to change between different control elements, sometimes up to 12 times. In the 900 Vario, this bothersome grip changing is no longer necessary. Operators can make all settings and adjustments from one central operating unit, the clearly laid out right-hand armrest. They can place their arm comfortably on the individually adjustable armrest and control the tractor and implement using the multi-function joystick and the Varioterminal. The power lift control module next to the crossgate lever controls the quick lift switch, depth



control and engagement of the front and rear PTO. Thanks to headland management, incorrect operation during turning manoeuvres is almost impossible, which means better quality of work in less time. On a 10-hour day with some 160 turning manoeuvres, operators can save up to 1,920 hand movements. Their performance remains at a high level over the entire work day and they are still fit and relaxed in the evening.

More than ordinary suspension

The mechanical three-point cab suspension reduces vibrations to a minimum and provides maximum ride comfort. The pneumatic three-point cab suspension with integral self-levelling provides even more comfort. The absolute highlight in driving comfort is the combination of front axle and cab suspension plus a driver seat with active suspension (optional) – unique for standard tractors and only available from Fendt.

FENDT EFFICIENT
900 TECHNOLOGY

- Spacious x5 cab
- Ergonomically designed control console on the right armrest
- Automatic air-conditioning is standard
- Pneumatic three-point cab suspension with integral level control
- Unique suspension design concept: cab suspension plus a driver seat with active suspension combined with front axle suspension

Operating buttons for auxiliary hydraulic control units 3 and 4 and Variotronic^{II} automatic function

Cruise control buttons

Engine speed memory keys

Control elements for auxiliary hydraulic control units 5 - 8

Hand throttle

Crossgate lever for 1st and 2nd auxiliary hydraulic control units

7" Varioterminal

Power lift operating module for rear lift with quick lift switch, depth control and PTO actuation (optional for front lift)

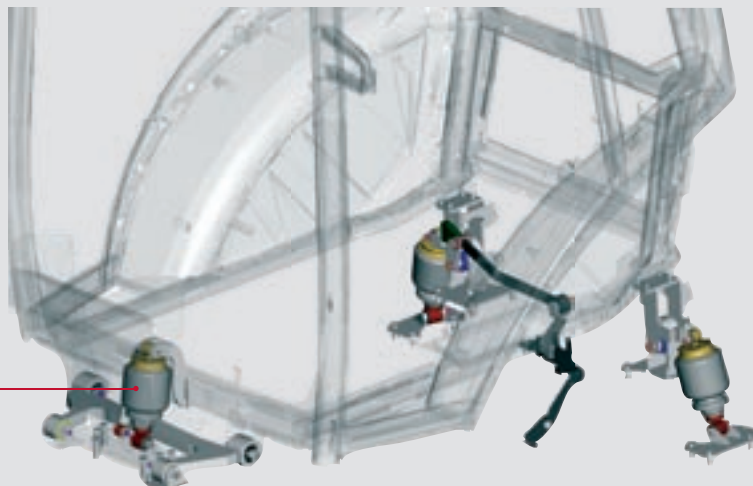
Pedal range

Membrane keypad for activating TMS, Variotronic^{II}, speed range selection, 4WD and differential lock engagement, front axle suspension and PTO speed selection.

No vibrations, no bounce

The three-point suspension with mechanical spring elements enables a fully vibration-minimised cab. Air spring elements are also available as an option. The great difference in height and the long distance between the spring elements of the x5 cab also prevent bouncing and ensure maximum ride comfort.

Air spring elements with integral, automatic level control



The "4-in-1 Varioterminal"

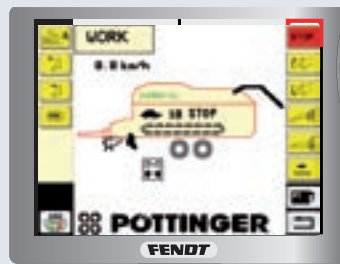
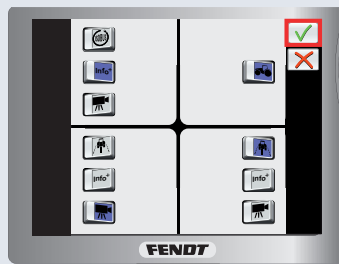
Finally, all functions in one terminal

The Fendt Variotronic is the new and unique electronic control that unites all functions in one terminal for the first time: tractor and implement controls, camera functions as well as the documentation and automatic steering system are now completely integrated in the Varioterminal 10.4" and can be operated using the same operating logic. That saves you the cost for additional terminals. For standard farming requirements, Fendt offers the Varioterminal 7". Both terminals have intuitive menus with a flat hierarchy and practical touch technology.

The last turning manoeuvre is as precise as the first

Up to 160 turning manoeuvres in ten hours can be exhausting without automated functions. The 900 Vario is equipped with the Variotronic^{TI} headland management system as standard, to ensure that the last turning manoeuvre is as precise as the first. The Variotronic^{TI} is clearly displayed in the Varioterminal. With just a touch of a button, operators can activate automated operating sequences at the headlands. To optimise the sequence of the steps, they can also be edited and adjusted individually when the tractor is at a standstill. That saves you time at the headlands and prevents possible operating errors on long work days.

Varioterminal	7"	10.4"
Tractor controls	✓	✓
Implement controls	✓	✓
Variotronic TI	✓	✓
VarioGuide	-	✓
VarioDoc	-	✓
2 camera images	-	✓
Map view	-	✓



The new Varioterminal

The 7" Varioterminal permits easy tractor and implement control as well as operation of the Variotronic^{TI} headland management. The Varioterminal 10.4", which is twice as big, also offers camera functions as well as VarioGuide and VarioDoc.

Screen layout

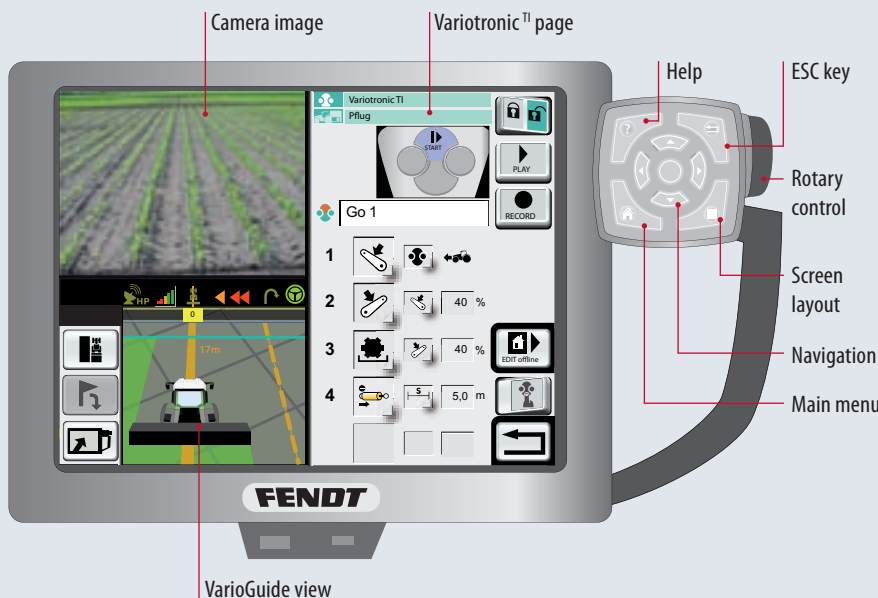
The 10.4" Varioterminal can display up to four applications simultaneously. You can easily choose and change the arrangement of the applications on the screen as you wish.

Variotronic Implement Control

Any ISO 11783 compliant implement can be operated with the Fendt Varioterminal. Up to 12 operating functions can be displayed in the clearly laid out full page view.

Camera functions

The Varioterminal has two camera inputs. They can be viewed in quarter, half or full screen view. Operators do not need to constantly turn around, for example, to monitor the rear implement.



The new Variotronic^{TI} headland management allows operators to create turning manoeuvres very easily, while the tractor is standing or driving, and then saves them for the specific implement. The entire operating sequence is shown along with the corresponding triggers and values, such as the seconds or the distance to the next step, which makes it easy for operators to understand the procedure. Individual steps in the operating sequence can be edited at a later time.

The terminal can be operated per touch screen or using the control elements on the right side of the terminal.

Work up to 1,250 hectares more with VarioGuide

The 900 Vario can work 1,250 hectares more through automatic steering alone, with an average reduction in overlapping of 6% and a total of 5,000 operating hours in the field. At the same time this also means six-percent savings in fuel and inputs such as seeds and fertiliser. Operators can easily monitor their rig in the map view on the Varioterminal. Even at night or in poor visibility conditions, operators can achieve optimum results and utilise their machines to the maximum.

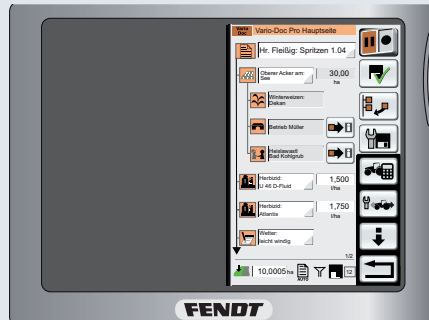
Modern job management with VarioDoc

Documentation is the most important basis for farm management for agricultural businesses. With the new VarioDoc, relevant data can be recorded with a minimum of effort, documented in the field record and analysed in the shortest amount of time. Using the Varioterminal, all important information can already be entered in the field so that follow-up work in the office is reduced to a minimum. And it works the other way around, too – jobs can be created using the PC and transferred to the terminal.



Better quality of work with VarioGuide automatic steering

With VarioGuide, operators can concentrate fully on the implement. That increases performance and has a positive impact on the overall quality of work, even in poor visibility conditions. VarioGuide guarantees maximum reliability thanks to new satellite technology.



Documentation with VarioDoc – wireless data transfer from the tractor to the office
All data are transferred wirelessly from the Varioterminal to the office PC and automatically saved. Botherome exporting of data with a memory card is no longer required. Data loss is therefore a thing of the past.

**FENDT EFFICIENT
900 TECHNOLOGY**

- New Varioterminal – operated either per touch or operating element
- All functions clearly integrated in just one terminal for the first time
- New Variotronic implement control for ISOBUS implements
- Headland management Variotronic^{TI} with optimum setting options
- Precise and reliable Fendt VarioGuide automatic steering
- Fast documentation and wireless data transfer with VarioDoc

Cutting-edge engine and transmission technology

A team the way it should be – powerful and highly efficient

A dream team is at work in the 900 Vario. An engine with up to 390 hp is the strong and powerful part of the team. The Vario transmission converts this massive power into the highest possible efficiency. Together the engine and transmission deliver the best results.





Your benefits

- 17,500 litres of fuel saved with SCR*
- Fendt automated efficiency functions make saving easy
- Automatically drive at the limit with the automatic maximum output control

*In-house comparison Fendt Vario stage 3 and 3b

The engine and transmission work together perfectly

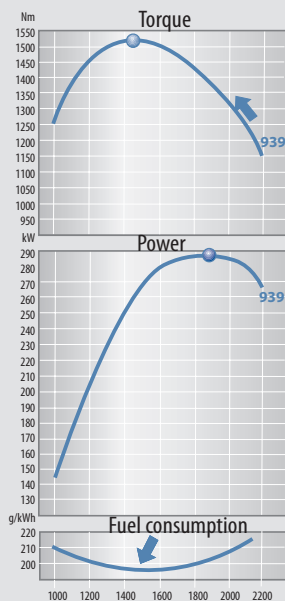
Strong, with lots of pulling power – 390 hp

The 900 Vario, with a maximum output of 390 hp, is the most powerful standard tractor in the agricultural equipment industry. The new six-cylinder Deutz engine, featuring a common rail high-pressure injection system and a 7.8 litre cubic capacity, offers pulling power like no other. A high injection pressure of 2,000 bar ensures fine atomisation and the high combustion capacity of the engine. Despite the high power capacity, the engine is very quiet and, above all, fuel efficient.

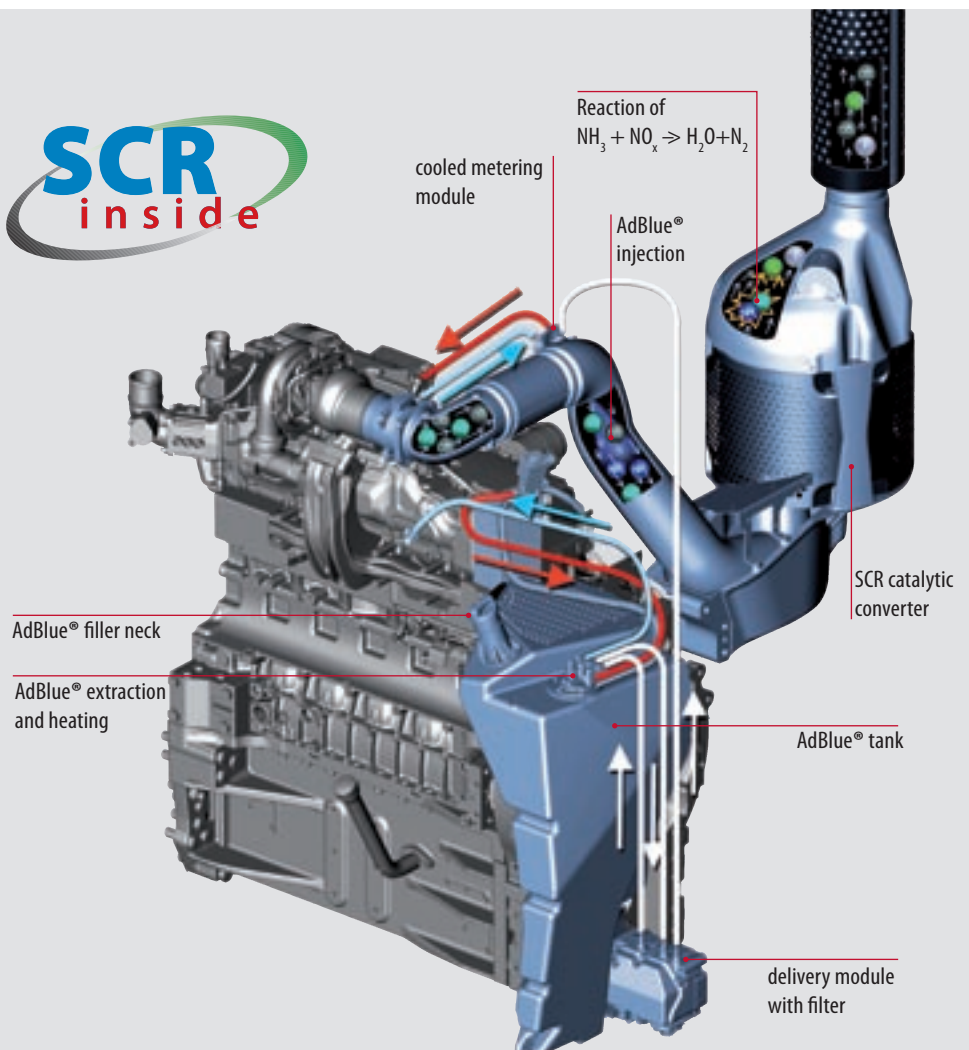
17,500 litres of fuel saved with SCR

Through the implementation of SCR technology, the Fendt 900 Vario complies with emissions standard Stage 3b (= Tier IV interim). It lowers fuel consumption by up to seven percent*. The 900 Vario, with an average fuel consumption of 25 l/h saves 1.75 litres per hour through SCR alone. In 10,000 operating hours that means savings totalling 17,500 litres of diesel. Another advantage is that exhaust treatment takes place after combustion and therefore does not affect it. The engine is therefore optimally tuned and achieves a very high degree of power efficiency.

*In-house comparison Fendt



1,529 Nm torque, max. 390 hp at 1,450 rpm and a specific fuel consumption of 194 g/kWh for the 939 Vario, thanks to implementation of the latest technology.



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

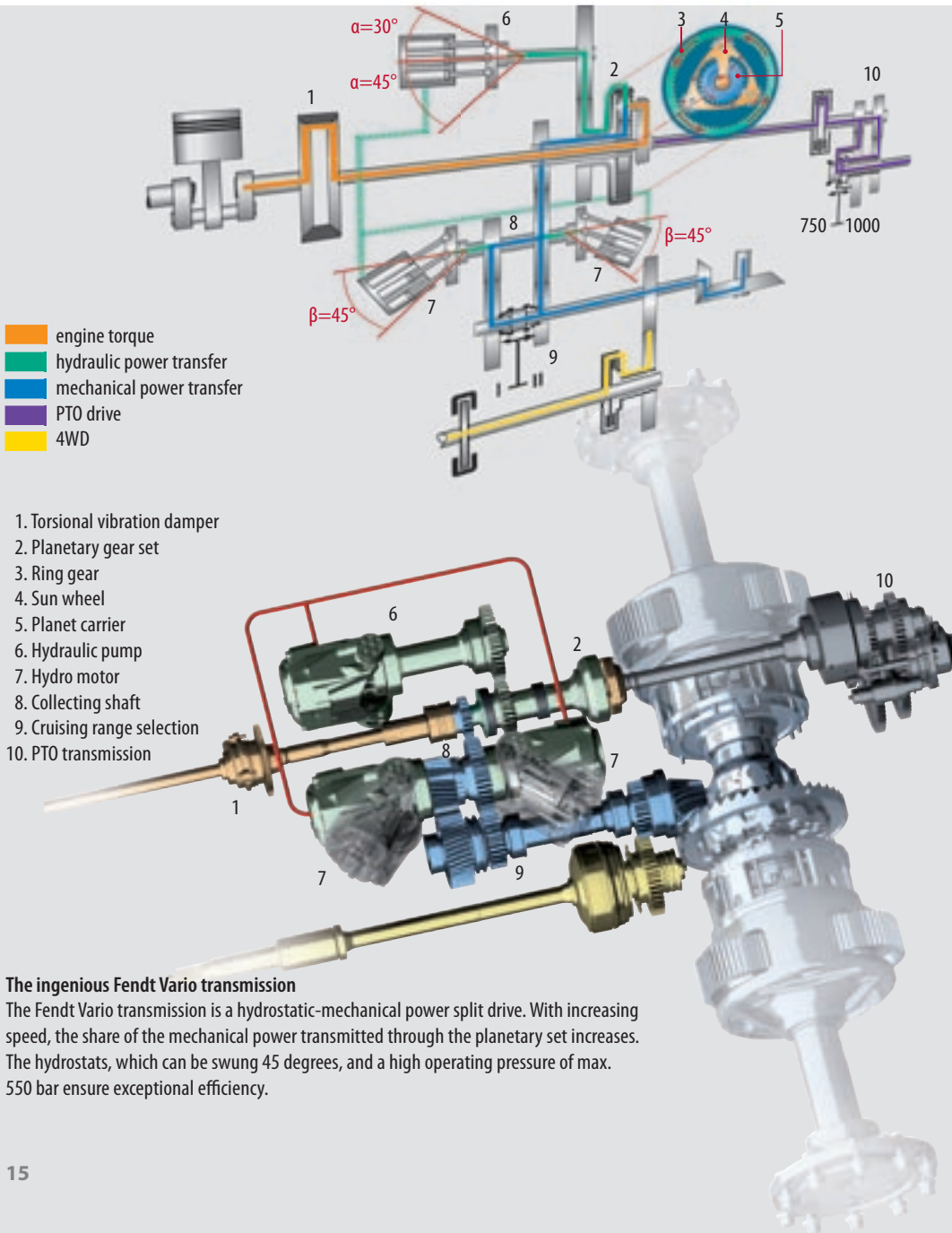
With SCR technology, exhaust is after-treated with AdBlue®, a 32.5 percent solution of urea, which converts nitrous oxides NO_x into non-toxic nitrogen and water. The consumption of AdBlue, the standard urea-water solution used by commercial vehicles, lies at an average of seven percent of the diesel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

Automatically drive at the limit

New in the 900 Vario is the automatic load limit, i.e. the automatic maximum output control. The maximum output control enables load-dependent adjustment of the travel speed dependent on engine speed. There are different optimum values that can be set as the load limit for different operations, for example transport or field operations. The tractor sets the ideal load limit automatically. Operators therefore do not need to set the automatic maximum output control when entering or leaving the field. And the interplay between the engine and transmission is just right for every operation. Alternatively, operators can also set the maximum output control manually.

Fendt automated efficiency functions make saving easy

Different tests performed over the years have shown that continuously variable speed adjustment – such as the Vario transmission offers – brings huge savings potential in time and money. In the 900 Vario, the continuously variable ML 260 transmission ensures maximum drive train efficiency. The Tractor Management System TMS keeps the engine and transmission in the ideal operating range during all operations – that means automatic efficiency.



- Orange engine torque
- Green hydraulic power transfer
- Blue mechanical power transfer
- Purple PTO drive
- Yellow 4WD

1. Torsional vibration damper
2. Planetary gear set
3. Ring gear
4. Sun wheel
5. Planet carrier
6. Hydraulic pump
7. Hydro motor
8. Collecting shaft
9. Cruising range selection
10. PTO transmission

The ingenious Fendt Vario transmission

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

FENDT EFFICIENT 900 TECHNOLOGY

- Six-cylinder engine with 7.8 l cubic capacity: 390 hp maximum output at 1,850 rpm
- SCR technology for compliance with emissions standard Stage 3b/ Tier IV interim and excellent fuel efficiency
- Common rail high pressure injection system with injection pressure up to 2,000 bar
- Stepless Vario transmission ML 260
- Tractor Management System TMS and automatic max output control are standard

Operation	Time	Consumption
Mowing	-10 %	-10 %
Chopping silage maize	-10 %	-10 %
Harvesting potatoes	-5 %	-10 %
Harrowing/drilling	-5 %	-10 %
Weeding	-5 %	-10 %
Ripping	-3 %	-3 %
Ploughing	-3 %	-3 %

The savings potential for various working procedures is clearly evident. You save valuable working time through higher area coverage and also profit from low fuel consumption.

Source: Nürtingen University

The top performer with a full grip

The 900 Vario also plays a leading role in the field. Full pulling power and versatility for mounted implements give you the high flexibility you need for all operations. With the VarioGrip tyre pressure regulation system, the 900 Vario always has optimum traction, which further increases the efficiency of the powerful top performer.





Your benefits:

- More than 22 connections at the front and rear
- A touch of a button is all that is required for best quality work – guaranteed
- Full traction with VarioGrip

Effective cooperation with different partners

More than 22 connections at the front and rear

The Fendt 900 Vario offers more connections than any other tractor in its power class: six electrohydraulic double-acting valves at the rear and two in the front, power beyond, ISOBUS connection and many more. Overall, the 900 Vario has more than 22 connections, which are practicably located both at the front and rear. That guarantees versatile operations and trouble-free connection of all implements – for effective teamwork between the tractor and implement.

Powerful lift capacity

The lift capacities of the 900 Vario have been significantly increased over the previous models. The electrohydraulic rear power lift, which has a maximum lift capacity of 11,800 daN, guarantees that even heavy rear-mounted implements for this power class can be lifted to the fullest height without trouble. A maximum lift capacity of up to 5,550 daN at the front permits the use of heavy front-mounted implements. The front lift is integrated in the structure of the tractor so that the coupling points are relatively close to the vehicle.

A number of connections are available at the rear:

- Signal socket
- ISOBUS connection
- Hydraulic top link
- 6 double-acting control valves
- Leakage oil line
- Unpressurised rear return flow
- Air brake
- Control line power beyond
- Pressure line power beyond
- Hydraulic trailer brake
- 7-pin socket
- Lower link hook end
- ABS socket
- Hitch
- Rear PTO
- Low hitch



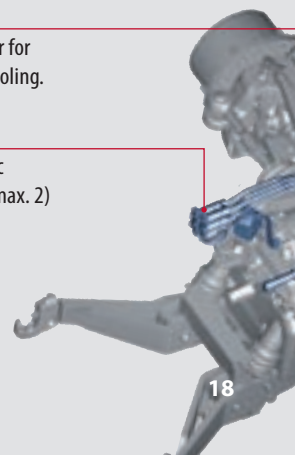
Fendt 900 Vario connections at the front:

- Top link
- 2 double-acting control valves
- Unpressurised front return flow
- 7-pin socket
- Front PTO
- Lower link hook end



Heat exchanger for hydraulic oil cooling.

Front hydraulic connections (max. 2)



Powerful hydraulic system

With its load-sensing technology, the 900 Vario is well-equipped for demanding operations. Depending on the area of application, you can equip the 900 Vario with a load-sensing pump with a delivery capacity of 110, 160 or 193 litres per minute.

PTOs with economy function

The PTOs can be easily controlled via the multi-function armrest. External controls are available at the front and rear. The PTO speeds (540E/1000 or 1000/1000E) enable work at a lower engine speed, which means lower fuel

consumption. The front PTO (1,000 rpm) permits operation with a broad range of implements at the front of the tractor.

A push of a button for best quality of work

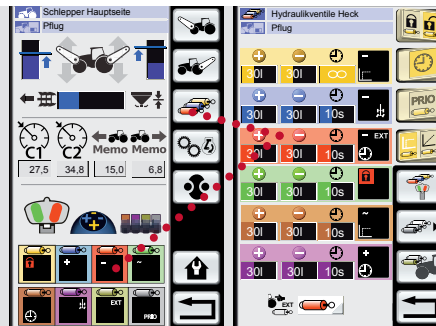
In the valve assignment page in the Varioterminal, operators can assign hydraulic valves to the operating elements as needed. The entire procedure is very user-friendly and is easy to operate with the buttons or touch screen.



Multi-function joystick
Controls Valve 3 and 4,
power lift automatic mode

Crossgate lever
Controls Valve 1
and 2

Power lift module
Controls rear linkage,
comfort front linkage

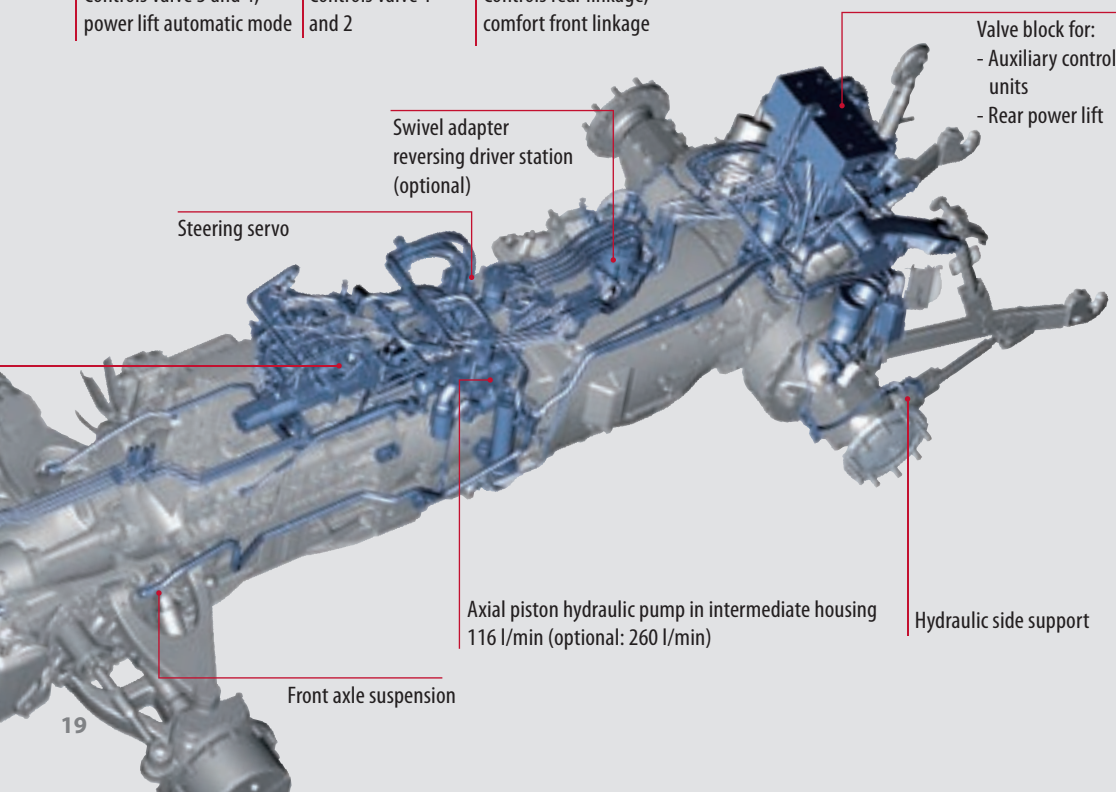


Easy operation in Varioterminal

The hydraulics can be operated easily and intuitively in the Varioterminal. The submenu for the hydraulic valves can be accessed by touching the icon or using the button. Alternatively, the hydraulics can be operated with the navigation keys.

**FENDT EFFICIENT
900 TECHNOLOGY**

- Up to eight electrohydraulic double-acting valves
- Maximum lift capacities:
Front: 5,550 daN
Rear: 11,800 daN
- EPC rear and front linkage incl. shock load stabilising and da function
- PTO with comfort controls (540E/1000 or 1000/1000E)
- External controls for the linkage, valves and rear PTO



Swivel adapter
reversing driver station
(optional)

Steering servo

Valve block for:
- Auxiliary control
units
- Rear power lift

Axial piston hydraulic pump in intermediate housing
116 l/min (optional: 260 l/min)

Hydraulic side support

Front axle suspension

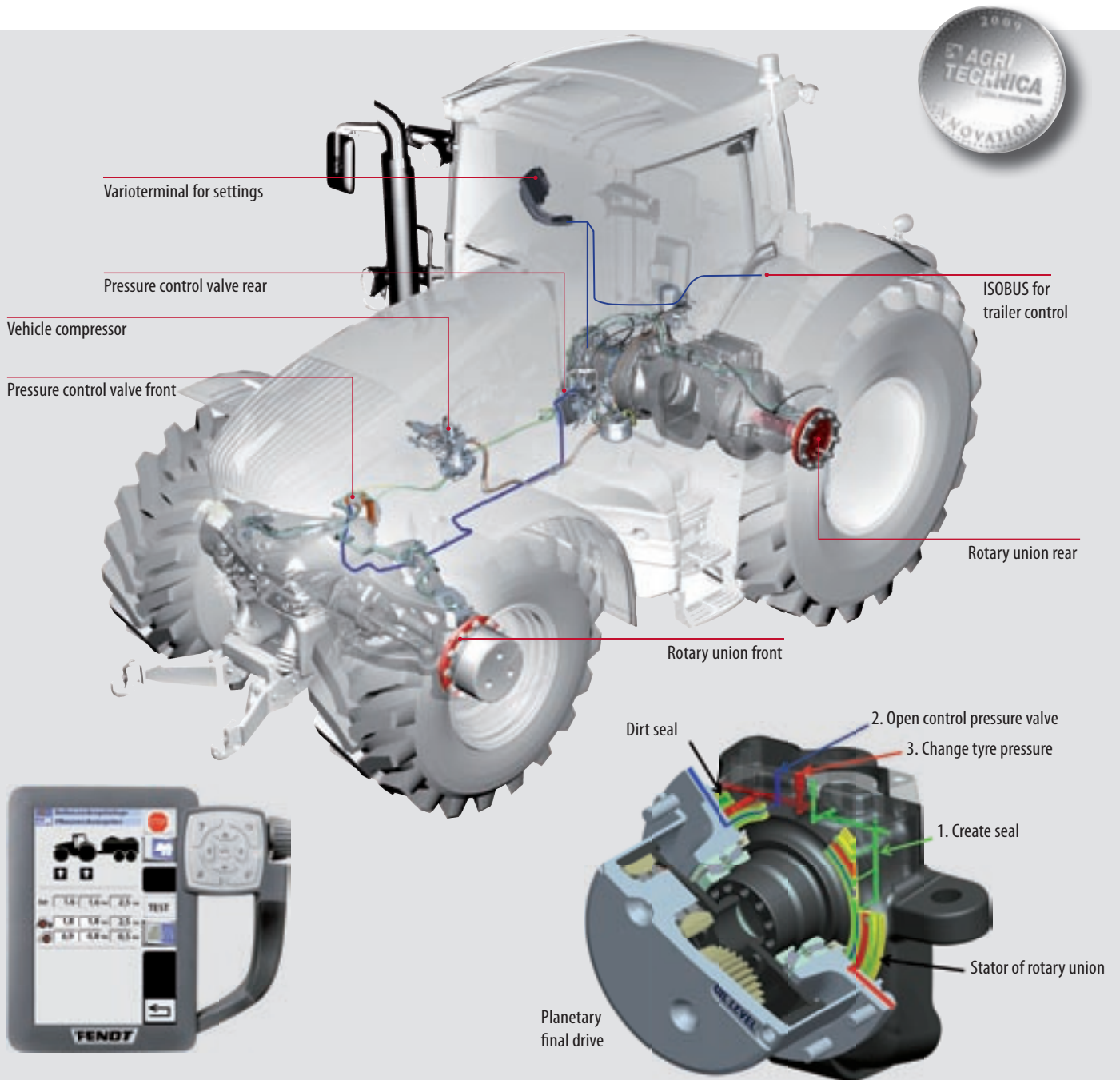
Full traction with VarioGrip

Fully integrated – that is VarioGrip

Fendt offers VarioGrip, the first factory-installed tyre pressure regulation system that is fully integrated in the vehicle concept. The system, which was developed in-house at Fendt, allows the air pressure to be regulated while driving. Until now, the air pressure was always a compromise between what was required for the field and road, those times are gone forever. The air pressure can be regulated quickly and easily with a push of a button on the Varioterminal.

Optimum tyre pressure

The benefits of optimum tyre pressure are clear: Lowering tyre pressure in the field increases the contact area with the ground, which improves traction and reduces wheel slip and roll resistance. According to neutral tests, that saves ten percent fuel. Furthermore, it reduces soil compaction and therefore reduces yield losses. When driving on the road, a higher air pressure ensures more stable handling and also lowers roll resistance, which reduces losses, fuel consumption and tyre wear.



No compromises between field and road

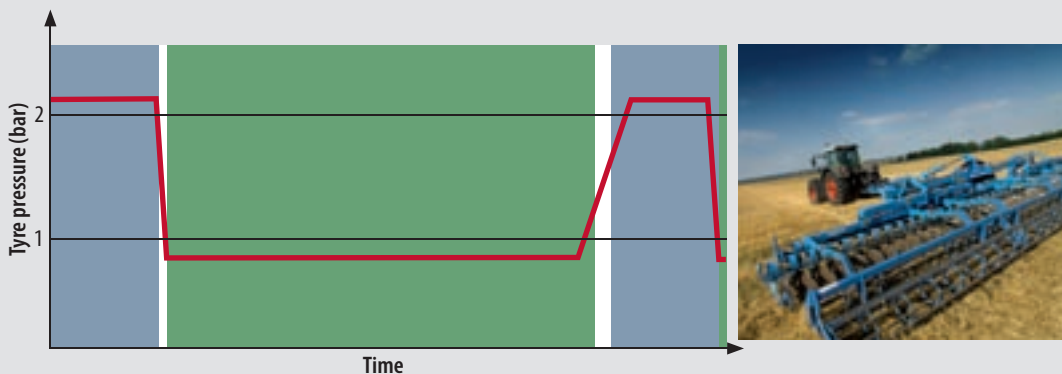
The tyre pressure regulation system allows pressure to be controlled while driving. This is accomplished via an internal, ring-shaped rotary union, which is designed to last the lifetime of the tractor. Air is supplied via a modified vehicle compressor as well as the vehicle's own valve equipment. The tyre pressure can be increased by one bar within ten minutes. Reducing pressure by one bar takes only two minutes.

Easy and safe operation

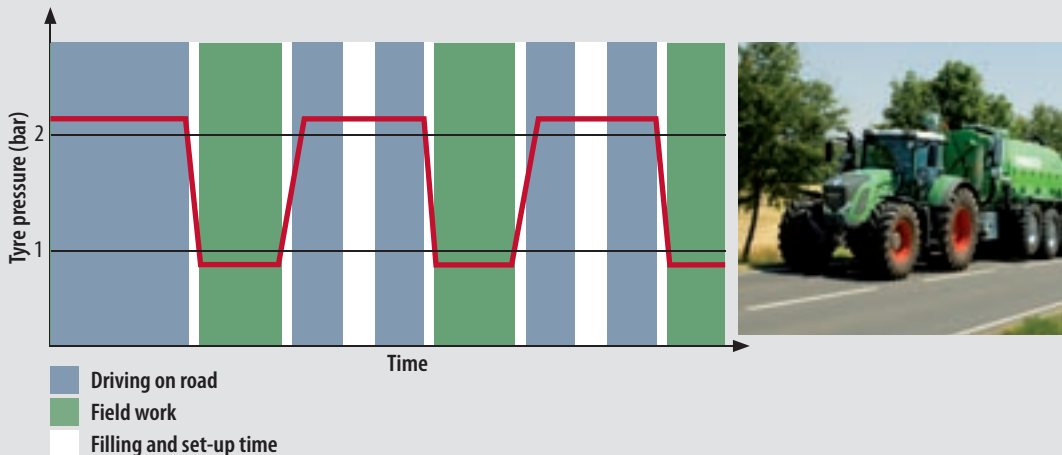
Operation of the tyre pressure control system is integrated in the overall vehicle concept. Using the Varioterminal, the tyre pressure of the tractor and a trailer can be controlled via the ISOBUS with just a push of a button. The assist-system calls too low or too high tyre pressure to the operator's attention, dependent on various parameters. The tractor is therefore always driving with optimum tyre pressure. The system, which is designed for the 900 Vario range, is available as a factory-installed option and has a full warranty.

FENDT EFFICIENT
900 TECHNOLOGY

Tyre pressure regulation time tillage operations

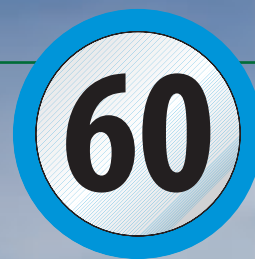


Tyre pressure regulation time application work



With VarioGrip, you can regulate the tyre pressure optimally for operations in the field and for driving on the road. The pressure increase for driving on the road can be initiated shortly before completing cultivation work in the field, for example, when putting the implement into transport position. Then the tractor has the higher tyre pressure when starting to drive on the road. This can be increased to the ideal 2.2 bar while driving. Before beginning work in the field, the pressure can be released within two minutes. The great advantage is that air pressure can be built-up and released while driving.

- VarioGrip is fully integrated in vehicle concept
- Up to 10 percent fuel saved
- Operated via Varioterminal – including control of the trailer
- Pressure regulation even when driving
- Always the ideal tyre pressure
- Assist system informs about incorrect tyre pressure
- Factory-installed
- Full warranty



Get to your destination faster and haul more

Speed is a must for transport work – exactly the right thing for the new 900 Vario with a top speed of 60 km/h. To make sure you reach your destination safely, the 900 Vario is equipped with the latest safety features for tractors, such as ABS. You reach your destination faster and have transported more at the end of the day.





Your benefits

- Haul 37 tonnes more per day
- Seven points for your comfort
- Maximum on-road and in-field driving
- ABS for more driving stability when braking

Innovative combination of safety, speed and comfort

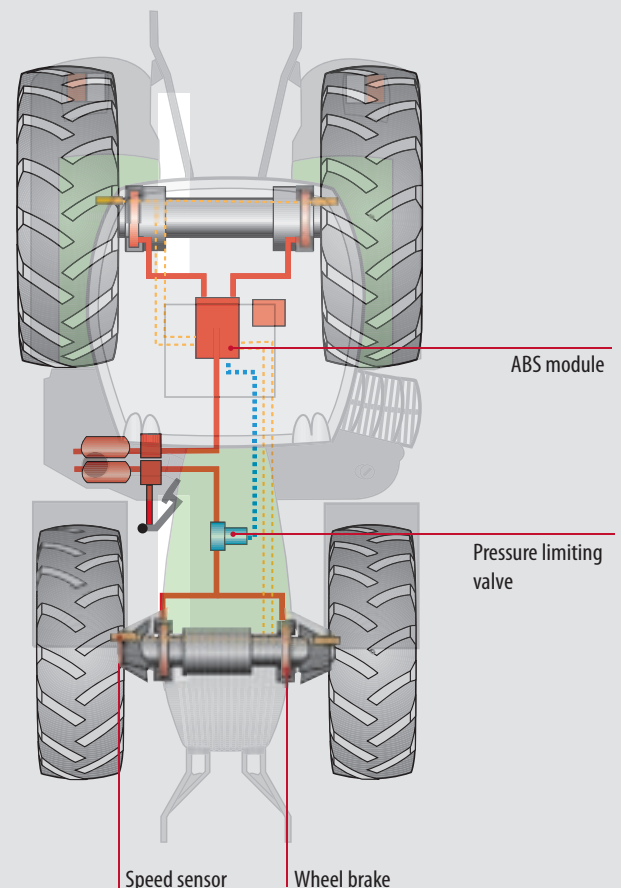
Haul 37 tonnes more a day

The 900 Vario has a top speed of 60 km/h at an engine speed of only 1,750 rpm, which gives it an up to 16 percent higher transport capacity* and lower fuel consumption. Those are the advantages that make the difference at the end of the day: for example, an 900 Vario with a transport capacity of a total of 230 tonnes in 10 hours moves 37 tonnes more thanks to the faster speed. And when the 900 Vario is driven at 50 km/h and an engine speed of 1,450 U/min rpm, it enables even greater fuel efficiency.

*in-house measurement

ABS – for the highest level of braking safety

The safety of the operator has the highest priority at Fendt. That is why the 900 Vario now has the anti-lock braking system ABS. It guarantees better steerability and control of the tractor on wet and dry roads, even when braking sharply. On unpaved roads – for example, gravel or snow – the 900 Vario with ABS brakes reliably without the wheels locking.



Wheels do not lock

The ABS module measures the speed on each individual wheel using four speed sensors. If the speed on one wheel is too slow, the ABS automatically opens the corresponding brake to prevent the wheel from locking. Since the wheels on tractors have a high inertia due to their size and weight, the ABS module also communicates with the tractor control unit. The control unit can then drive the affected wheel via the Vario transmission, if opening the brake is not enough to maintain the required speed. Both front wheels are controlled together to maintain the stability of the 900 Vario, even if there are different surfaces under each wheel. The rear wheels are controlled individually by the ABS module.

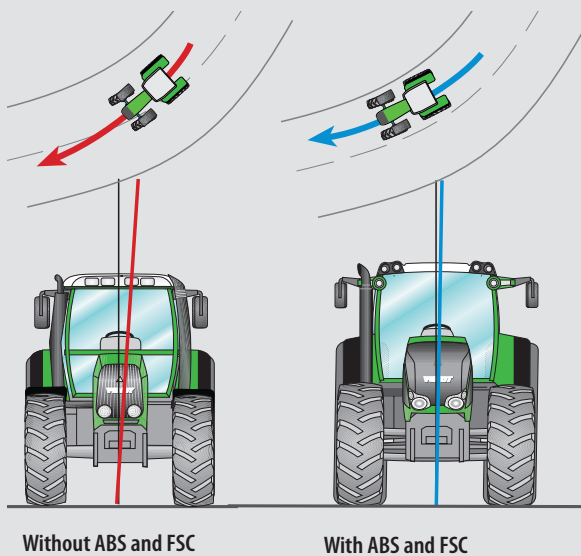
Maximum on-road and in-field driving safety

The chassis guarantees optimum operability on the road and in the field. With the unique Fendt Stability Control (FSC) you feel safe driving, even when negotiating curves. At the same time, the practically maintenance-free braking system, comprising wet multi-disc brakes for the front and rear wheels, offers high driving safety and excellent deceleration.

Seven points for your comfort

The overall chassis concept provides the best ride comfort and optimum ergonomics. Seven points ensure an exceptional driving sensation:

- the self-levelling front axle suspension
- the anti-roll control
- the Fendt Reaction steering system
- the shock load stabilising
- the cab suspension
- the seat suspension
- the automatic steering axle lock.

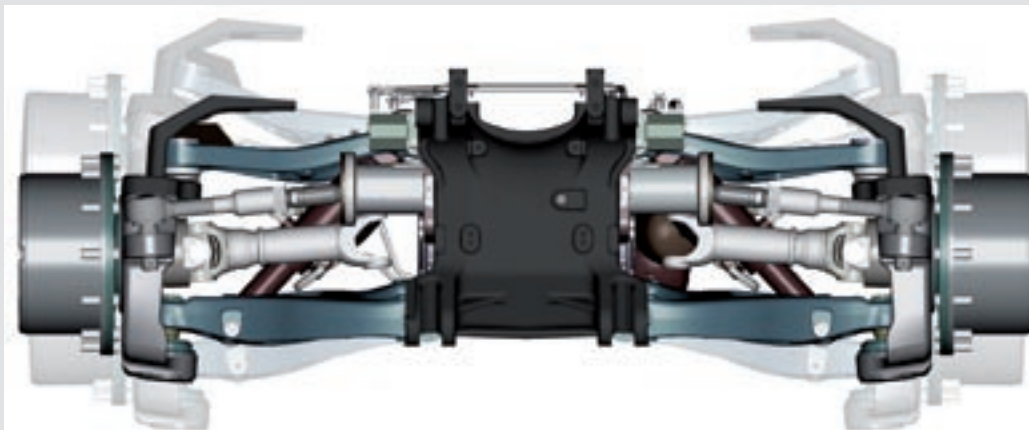


Stability control (FSC)

At speeds above 20 km/h, Fendt Stability Control (FSC) locks the compensation between the right and left sides and takes steering precision, driving stability and braking safety to a completely new level. When the driving speed drops below 15 km/h, compensation between the left and right side is possible again, which guarantees the best ground contact.

**FENDT EFFICIENT
900 TECHNOLOGY**

- 60 km/h transport speed at reduced engine speed (1,750 rpm)
- Fendt Stability Control FSC
- Self-levelling front axle suspension with locking function
- High performance dual-circuit braking system
- Wide-angle mirror
- Tachograph optional



Self-levelling front axle suspension

The hydropneumatic independent wheel suspension is equipped with a double wishbone axle, which optimises steering angle. The fully automatic level control ensures that suspension travel remains the same on both sides (up to eight tonnes of front axle load). Furthermore, the entire suspension travel can be run through manually, the joints and bearings are maintenance-free and have no lubrication points.

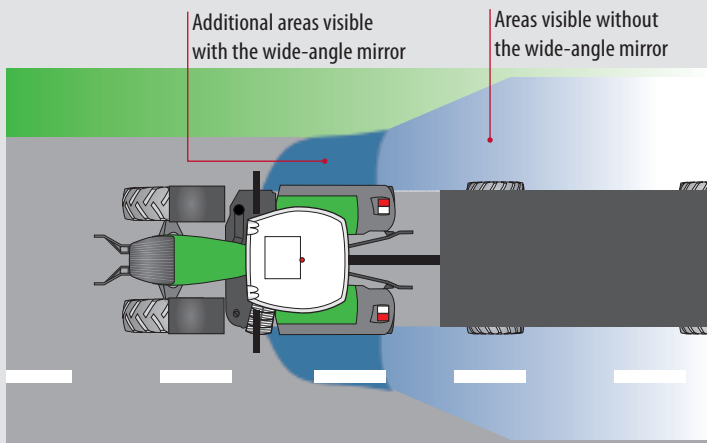
Look forward and backward in all situations

More visibility for more safety

Good visibility in all directions is a prerequisite for attaining top results and, especially for large tractors, a decisive factor for maximum safety. The x5 cab has large glass areas for an exceptional overview. The new wide-angle mirror improves your visibility, since it allows you to see the areas on the sides of the tractor. This clearly improves safety, in particular in tight farmyards.

360 degree illumination

Harvesting days can be long and often work must continue on into the night. The 900 Vario has a powerful lighting concept that allows you to work well into the night. Fourteen working lights plus the driving lights offer illumination all around the tractor. The work lights are available with Xenon lamps as an option. The corner lights light up the wheel arches and makes the track easier to see in the dark.



Wide-angle mirror for a better overview

The optional wide-angle mirror expands your field of vision, which provides significantly more safety. You have a better overview of things that are happening on the sides of the tractor. The hazard zone, which is usually located in the blind spot, is easier to see into and unforeseen situations can be avoided.



You can perform your work better at night and the machine is fully utilised. This is an important advantage, particularly during the limited harvesting time, since it allows you to increase the profitability of your Fendt Vario.

FENDT EFFICIENT
900 TECHNOLOGY

Driving light Corner lights Indicator and position light 2 work lights Auxiliary lamps 4 work lights



- Wide-angle mirror for larger field of vision
- 360 degree illumination all around the tractor
- Eight work lights plus driving lights
- Xenon lights possible
- Corner lights for illuminating the wheel arches

Everything in view, even in the dark

The ingenious lighting concept on the 900 Vario doesn't leave you in the dark. Both the high and low beams provide a one-of-a-kind high level of illumination intensity. The work lights on the 900 Vario can be individually adjusted for up to 360 degrees of illumination. Xenon work lights are available as an option.

Leading in all disciplines

Whether for classic agricultural applications or specialty operations for contracting, municipal or forestry applications, the 900 Vario is highly qualified for all operations. To expand the operating spectrum even further, Fendt offers a factory-installed full-function reversing driver station. In this way you can perform a wide range of tasks with the 900 Vario and fully utilise your Fendt tractor for greater profitability.





Your benefits:

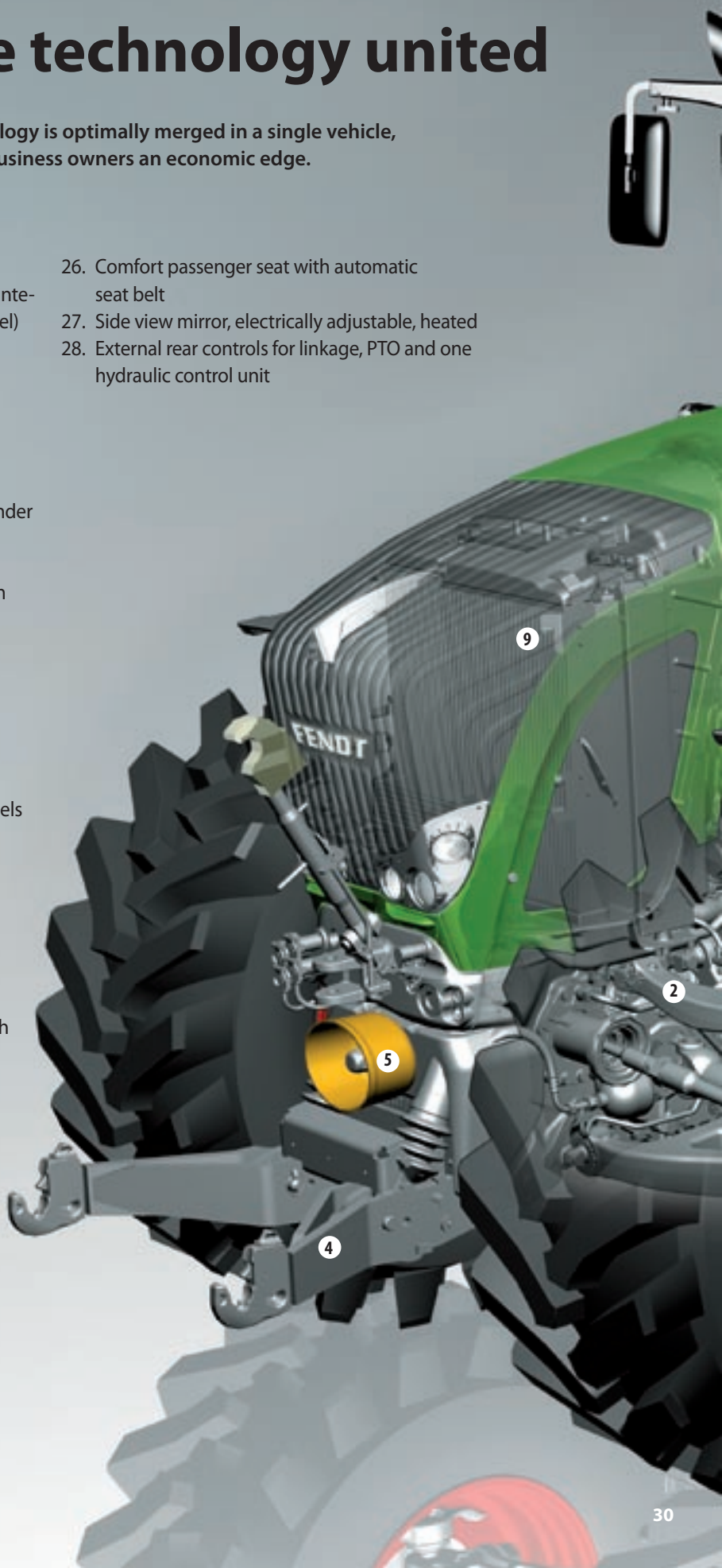
- In operation 365 days a year
- Reverse drive option for performing work in reverse just as well as forward

The sum of the technical solutions create the technological lead

Cutting-edge technology united

In the 900 Vario, start-of-the-art technology is optimally merged in a single vehicle, which gives professional farmers and business owners an economic edge.

1. Rugged cast frame
2. Front axle suspension (lockable and maintenance-free, +/- 300 mm suspension travel) with Fendt Stability Control
3. Suspension cylinder for front axle
4. Front linkage with external controls
5. Front PTO
6. 2 da hydraulic connections at the front
7. Planetary final drives
8. 7,8 l Deutz engine with 4 valves per cylinder
9. Cooler unit with viscous fan control
10. SCR catalytic converter
11. Continuously variable Vario transmission
12. Hydro motor
13. Hydraulic pump
14. Enclosed 4WD clutch
15. Turbocharger
16. Fuel tank with 600-l capacity
17. AdBlue tank
18. Planetary axle
19. 1,000 kg wheel weights for the rear wheels
20. X5-cab with integral automatic air-conditioning and 5.5 m² glass area
21. Pneumatic cab suspension
22. Armrest with Variocentre
23. New Varioterminal with integral Fendt VarioGuide automatic steering system
24. VarioGuide roof unit
25. Super Comfort Seat Fendt Evolution with climate control and active suspension
26. Comfort passenger seat with automatic seat belt
27. Side view mirror, electrically adjustable, heated
28. External rear controls for linkage, PTO and one hydraulic control unit





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Technical Specifications

	924	927	930	933	936	939
Engine						
Rated power (kW/hp) (ECE R24)	154 / 210	177 / 240	199 / 270	221 / 300	243 / 330	265 / 360
Max. power (kW/HP) (ECE R24)	177 / 240	199 / 270	221 / 300	243 / 330	265 / 360	287 / 390
Rated power (kW/hp) (EC 97/68) ⁴⁾	183 / 249	194 / 264	217 / 295	238 / 324	261 / 356	276 / 376
Max. power (kW/HP) (EC 97/68)	189 / 258	202 / 275	244 / 305	245 / 333	269 / 366	291 / 396
No. of cylinders / cooling	6 / Turbo / Water					
Cylinder bore / stroke (mm)	110 / 136					
Cubic capacity (cm ³)	7755	7755	7755	7755	7755	7755
Rated engine speed (rpm)	2200	2200	2200	2200	2200	2200
Engine speed at max. power (rpm)	1900	1900	1900	1900	1900	1900
Max. torque (1450/rpm)	1049	1116	1234	1326	1498	1547
Torque rise (%)	36	36	34	31	34	31
Optim. fuel consumption (g/kWh)	195	195	195	195	195	195
Fuel tank (l)	600	600	600	600	600	600
AdBlue (l)	60	60	60	60	60	60
Oil change interval (op. hrs.) ³⁾	500	500	500	500	500	500
Transmission and PTO						
Type	continuously variable Vario transmission					
Speed range: Range I - field (forward / reverse)	0.02 to 35 km/h / 0.02 to 20 km/h					
Range II - road (forward / reverse)	0.02 to 60 km/h / 0.02 to 33 km/h					
Maximum speed (km/h)	60	60	60	60	60	60
Rear PTO (rpm)	540E / 1000 or 1000 / 1000E					
Front PTO (rpm) ¹⁾	1.000					
Power lift						
Displacement pump (200 bar) (l/min)	160 or 216	160 or 216	160 or 216	160 or 216	160 or 216	160 or 216
Rear linkage control	EHR	EHR	EHR	EHR	EHR	EHR
Max. auxiliary valves, (standard)	4 (3) electr. valves					
Power version:	8 (4) electr. valves / crossgate lever					
Profi version:	8 (4) electr. valves / crossgate lever					
Profi Plus version:	8 (4) electr. valves / crossgate lever					
Max. lift capacity, rear power lift on the drawbar (kN/kp)	11800	11800	11800	11800	11800	11800
Max. lift capacity, front linkage (daN)	5550	5550	5550	5550	5550	5550
Implement weight / front linkage up to (kg)	4100	4100	4100	4100	4100	4100
Weights and dimensions						
Unladen weight to DIN 70020 (kg)	10700	10760	10760	10760	10830	10830
Perm. overall weight (kg)	18000 / 15000					
for 40 km/h / 50 km/h (single-circuit brake)	18000 / 15000	18000 / 15000	18000 / 15000	18000 / 15000	18000 / 15000	18000 / 15000
for 40 km/h / 50 km/h (dual-circuit brake)	18000	18000	18000	18000	18000	18000
for 60 km/h (dual-circuit brake)	16000	16000	16000	16000	16000	16000
Max. vertical hitch load with standard tyres and 60 km/h (kg)	2000	2000	2000	2000	2000	2000
Overall length (mm)	5655	5655	5655	5655	5655	5655
Overall width (mm)	2750	2750	2750	2750	2750	2750
Overall height (mm)	3322	3322	3322	3322	3322	3372
Ground clearance (mm) ²⁾	480	480	480	480	480	480
Wheelbase (mm)	3050	3050	3050	3050	3050	3050
Track width front (mm) ²⁾	2100	2100	2100	2100	2100	2100
Track width rear (mm) ²⁾	2050	2050	2050	2050	2050	2050
Min. turning circle (m) ⁵⁾	6.08	6.08	6.45	6.45	6.45	6.58
Electrical equipment						
Starter (kW)	4.7	4.7	4.7	4.7	4.7	4.7
Battery (V/Ah)	12 / 170	12 / 170	12 / 170	12 / 170	12 / 170	12 / 170
Alternator (V/A)	14 / 2x150	14 / 2x150	14 / 2x150	14 / 2x150	14 / 2x150	14 / 2x150

¹⁾ = optional, ²⁾ = with standard tyres, ³⁾ = is halved when using RME biodiesel, ⁴⁾ = definitive power specifications for registration, ⁵⁾ = ISO 789/3

Standard and optional equipment

■ = standard □ = optional – = not available	Power	Profi	ProfiPlus		Power	Profi	ProfiPlus
Vario controls					4WD / differential locks		
Joystick control (with cruise control memory keys)	■	–	–	Comfort engagement 4WD / differential lock	■	■	■
Multi-function joystick	–	■	■	Rear / front differential with 100% disc locking	■	■	■
Varioterminal 7" for fine adjustments	■	■	–				
Varioterminal 10.4" for fine adjustments	–	□	■	Power shift PTO			
Variotronic implement control for ISOBUS	–	□ ¹⁾	■	Rear: Flange PTO 540E/1000 rpm	■	■	■
Variotronic ^T Headland Management System	–	■	■	Rear: Flange PTO 1000/1000E rpm	□	□	□
Vario TMS - engine-transmission management system	■	■	■	Front: 1000 rpm	□	□	□
VarioDoc	–	□	■	External rear PTO controls	■	■	■
VarioDoc Pro	–	□	□				
Automated steering system ready kit	–	–	■ ²⁾	Hydraulic system			
VarioGuide automated steering system	–	–	□	Load-sensing system with axial piston pump (109 l/min)	■	■	■
Electronic immobiliser	■	■	■	152 l/min delivery capacity	□	□	□
				193 l/min delivery capacity	□	□	□
Cab							
Pneumatic cab suspension	□	□	□	Electrohydraulic power lift da (EPC), with external actuation	–	■	■
Reversing driver station	□	□	□	Electrohydraulic linkage sa (EPC), with external actuation	■	–	–
Height and tilt-adjustable steering column	■	■	■	hydraulic lower link lateral stabilisation	□	□	□
Super comfort seat, air sprung, low frequency suspension	■	■	■	Radar anti-slip control	□	□	□
Super comfort seat Evolution with climate control	□	□	□	QC hydraulic top link	□	□	□
Super comfort seat Evolution with climate control and active suspension	□	□	□	Lower link hooks cat. 4	□	□	□
Passenger seat with automatic seat belt	■	■	■	Hydraulic connection external (load-sensing)	□	□	□
Comfort passenger seat	□	□	□	Hydraulic valve actuation crossgate lever,			
Radio mounting kit with two stereo loudspeakers	■	■	■	Multi-function joystick	–	■	■
Dual radio slot with four loudspeakers	□	□	□	External controls for hydraulic control unit rear	■	■	■
Blaupunkt Radio CD MP3 with sound system	□	□	□	Double connect-under-pressure lever couplings rear	□	□	□
Radio CD MP3 Blaupunkt with hands-free speaking system, sound system	□	□	□	Front linkage sa, with external actuation	□	■	■
Factory-installed tachograph	□	□	□	Comfort front power lift da, with position control, external actuation	–	□	□
Integral automatic air-conditioning	■	■	■				
Toxic filter (aerosol)	■	■	■	Body			
Rear window wash/wipe	■	■	■	Auto. hitch with remote control, rear	■	■	■
Side view mirror, electrically adjustable and heated	□	■	■	Ball-type coupling, height adjustable	□	□	□
Side mirror mechanically adjustable	■	–	–	Ball-type coupling incl. frame	□	□	□
Wide angle mirror	□	□	□	Forced steering (one or two-sided)	□	□	□
Interior mirror	□	■	■	Hitch coupling	□	□	□
Work lights, 2x roof rear, 1x roof front	■	■	■	Swinging drawbar	□	□	□
Work lights A-pillar, rear mudguards	□	□	□	Piton fix	□	□	□
Work light Xenon A-pillar, mudguard rear, roof front	□	□	□	Compressed air Duomatic coupling	□	□	□
LED rear light	□	□	□	Rotating beacon	□	□	□
Bracket for additional device	□	□	□	Wide vehicle markers	□	□	□
Air-conditioned cool box	□	□	□	Pivoting front mudguards	■	■	■
				Dual tyres rear	□	□	□
Engine				Dual tyres front	□	□	□
Fuel pre-filter	■	■	■	Easy ballast mounting for front weight	■ ³⁾	□ ³⁾	□ ³⁾
Preheater package (engine, transmission, hydraulic oil)	□	□	□	Front weights, various sizes	□	□	□
Exhaust brake	□	□	□	Wheel ballast weights rear wheels	□	□	□
				Design Line	□	□	□
Transmission				Removable tool box	□	□	□
Shuttle function, Stop & Go function	■	■	■				
Acoustic signal when reversing	□	□	□				
Chassis / safety features							
Dual circuit braking system, FSC Fendt-Stability-Control	–	■	■				
Single-circuit braking system, 1 pedal	■	□	□				
Single-circuit brakes, 2 pedals + steering clutch brake	□	□	□				
Compressed air system	■	■	■				
Automatic trailer steering axle lock	□	□	□				

¹⁾ = Operation only with Varioterminal ²⁾ = including VarioGuide roof hatch, ³⁾ = not possible with front lift

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

Makes business owners happy – investing right means savings in the long-term

It is clear that you get cutting-edge technology with a Fendt tractor. But there's much more to the overall cost picture of a Fendt Vario: from competent consultation, to comprehensive services up to the special value retention of a Fendt tractor.

Efficiency: The recipe for successful economical operations

We make no compromises when it comes to this subject matter, because our objective is to be the leader for cost-effectiveness per hectare and kilometre. Fendt engineers are constantly working on lowering fuel consumption, which makes up half of the total costs of a tractor. The very best technology is just good enough here, for example, as is found in the 800 Vario: the highly efficient Vario drive train and the fuel-saving SCR technology in combination with TMS. These further increase the already first-class efficiency of the Vario and reduces the costs per hectare and kilometre.

Retention of value = future-proofing plus quality

Every Fendt customer knows – things are settled at the end of the service life of a tractor. And this is a true joy for Fendt owners, because the resale value of a Fendt Vario is unbeatable. And that has its reasons: as the innovation leader, Fendt always sets the decisive trends for agricultural equipment and installs technology that continues to be in demand in the future. Add to that the high quality of Fendt tractors, which stands for operational reliability and a long lifetime. The total is a retention of value that only Fendt can offer you.



More freedom for investments – tailor-made financing through AGCO FINANCE and the ideal Service Package

A custom financing package with attractive conditions and flexible terms offers you an ideal opportunity to match your investment to the needs of your farm or business. AGCO FINANCE is your reliable partner for financing. With a Fendt Service Package, you have servicing and repair costs under control. When purchasing your tractor, you can already plan the prescribed service work based on attractive fixed prices or arrange for full cost control per operating hour – with the Service Package, or the comprehensive ProService Package.

Fendt overall profitability

- **Fendt Efficiency for the best cost-effectiveness per hectare**
- **Fendt Comfort for pleasant working conditions day after day**
- **Fendt Retention of Value for an unbeatable resale value**
- **Fendt Service for competent consultation and full reliability**
- **Fendt Flexibility for custom financing and individual offers**
- **Fendt Expert Driver Training for the most efficient Vario driving**

More than ever:



Leaders drive Fendt



Sales 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 pleased to supply you with up-to-date information.

 **AGCO**
Your Agriculture Company

AGCO GmbH – Fendt Marketing
D-87616 Marktoberdorf
Fax +49 (0) 8342 / 77-220 • www.fendt.com