

# FENDT

## Fendt 900 Vario

927•930•933•936•939



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

## **The new Fendt 900. The executive.**

The Fendt 900 Vario is the “top-level executive” on the tractor market. With 390 hp maximum output, it delivers enormous traction and power, 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.

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.

More information:  
[www.fendt.com/efficient-technology](http://www.fendt.com/efficient-technology)

### More for the environment:

- 95 percent less NO<sub>x</sub>
- 95 percent less particulate matter
- Less CO<sub>2</sub> emissions through lower fuel consumption
- Less operating materials through less overlapping

### 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

### 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 comfort:

- 3.5 m<sup>3</sup> operator paradise with panorama view
- Up to 1920 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

\*\*\* In the class 301 hp and higher, 7 tractors compliant with Stage 3b/Tier 4 interim have been tested up to now.

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

936 Vario

**240\*** g/kWh

DLG PowerMix (11/2011)  
\*plus AdBlue consumption amounting to 8.6 Vol.-% of the diesel consumption

**BEST**  
**IN CLASS\*\***  
over 301 hp, 11/2011



6 The driver station in the 900 Vario

## 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.



## A workplace for high performance

### 3.5 m<sup>3</sup> 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.

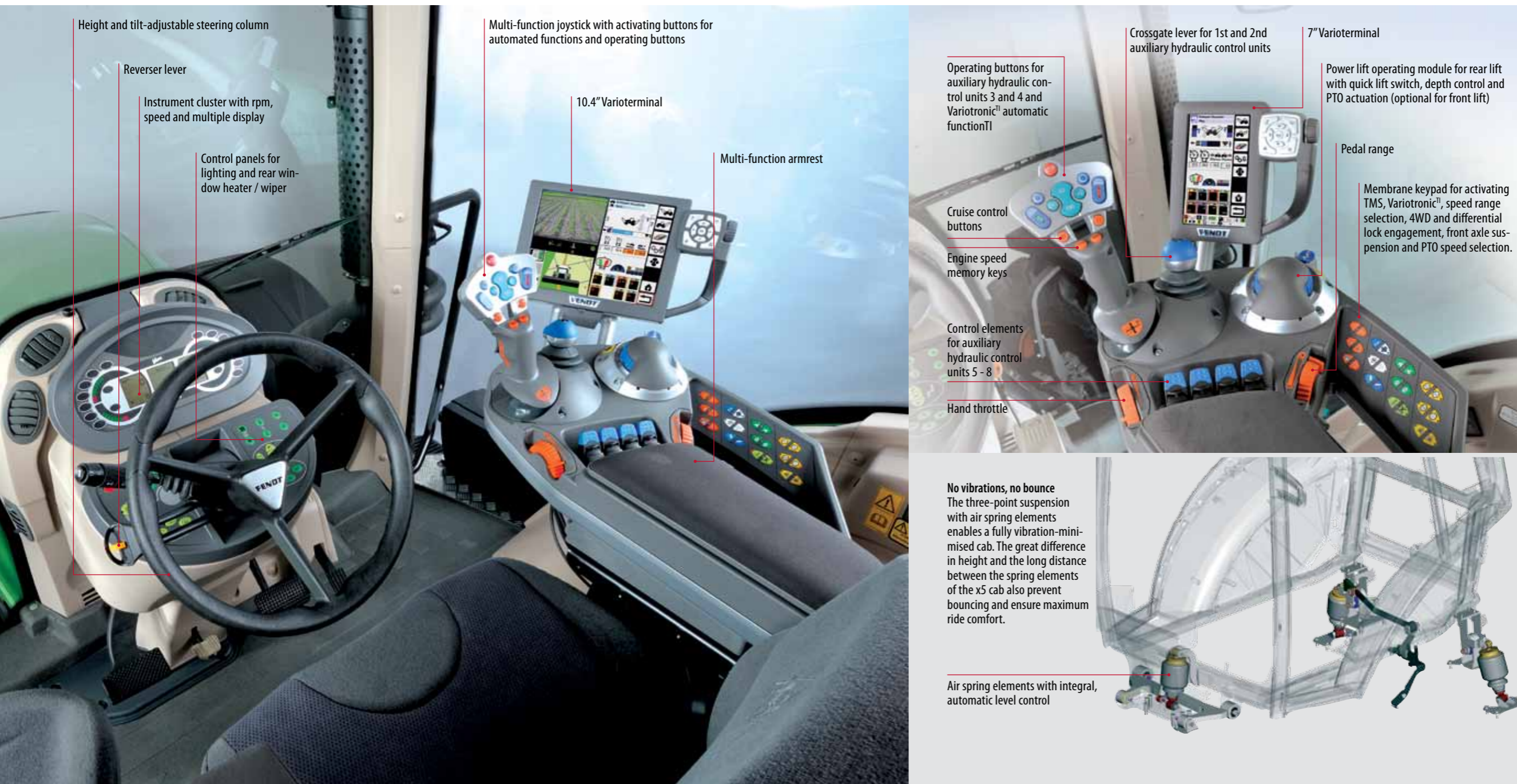
### 1,920 hand movements less per day

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 1920 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 pneumatic three-point cab suspension reduces vibrations to a minimum and provides maximum ride 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.



Height and tilt-adjustable steering column

Reverser lever

Instrument cluster with rpm, speed and multiple display

Control panels for lighting and rear window heater / wiper

Multi-function joystick with activating buttons for automated functions and operating buttons

10.4" Varioterminal

Multi-function armrest

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<sup>®</sup>, speed range selection, 4WD and differential lock engagement, front axle suspension and PTO speed selection.

Operating buttons for auxiliary hydraulic control units 3 and 4 and Variotronic<sup>®</sup> automatic function I

Cruise control buttons

Engine speed memory keys

Control elements for auxiliary hydraulic control units 5 - 8

Hand throttle

**No vibrations, no bounce**  
The three-point suspension with air spring elements enables a fully vibration-minimised cab. 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

- 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

The x5 cab tested in profi 12/2009:

"Of all the standard tractors, the Fendt performed the best. The system with the independent wheel suspension on the front axle and three-point cab suspension is very well balanced. There is hardly any lateral roll and you feel safe when driving."

# Das „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<sup>TI</sup> headland management system as standard, to ensure that the last turning manoeuvre is as precise as the first. The Variotronic<sup>TI</sup> 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.

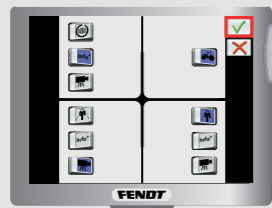
## Work up to 1,250 hectares more with VarioGuide

The 900 Vario can work 1250 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.

## VarioDoc is available in two versions

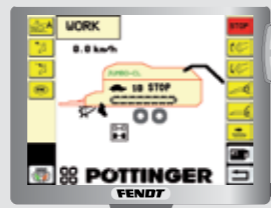
The basic VarioDoc version is standard in every 10.4" Varioterminal. Data exchange via Bluetooth ensures secure transmission. The VarioDoc Pro version offers additional features, which also allow position data to be recorded. Field record software with GIS functionality can use this data to create maps, for example, ones that display the relative fuel consumption or power requirement for the area. The data can be conveniently transmitted via the mobile network. This is an important advantage, particularly for contractors or large farms, because the tractor does not need to be in the vicinity of the farmyard at the time of data transmission.

Varioterminal	7"	10.4"
Tractor controls	✓	✓
Implement control	✓	✓
Variotronic <sup>TI</sup>	✓	✓
VarioGuide	-	✓
VarioDoc	-	✓
2 camera images	-	✓
Map view	-	✓



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 Vario-terminal. 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.



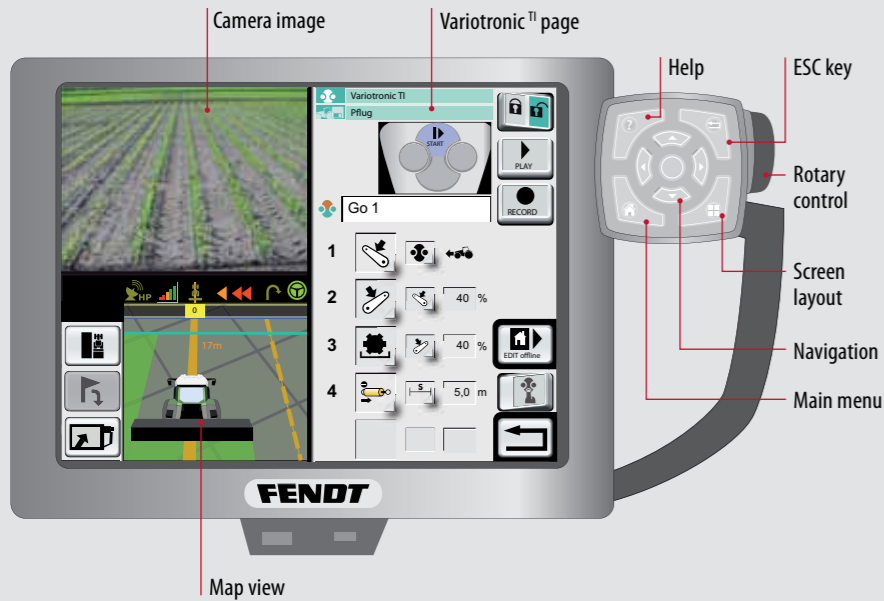
Documentation with VarioDoc – wireless data transfer from the tractor directly to the office  
All data are transferred wirelessly from the Varioterminal to the office PC and automatically saved. Bothersome exporting of data with a memory card is a thing of the past.

- New Varioterminal – choose between touchscreen and key control
- All functions clearly integrated in just one terminal for the first time
- New Variotronic implement control for ISOBUS implements
- Headland management Variotronic<sup>TI</sup> with optimum setting options
- Precise and reliable Fendt VarioGuide automatic steering
- Fast documentation and wireless data transfer with VarioDoc

Variotronic tested in the 828 Vario: best in test in the topagrar "Operating Concepts" test 01/2011:  
"Fendt has succeeded in clearly arranging a large number of functions on the armrest. The monitor sets new standards with its menu navigation."

## The new Varioterminal

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



The new Variotronic<sup>TI</sup> 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.



Data exchange via ISOXML  
When it comes to data exchange, Fendt puts its cards on full compatibility. The ISOXML standard allows seamless data exchange with any compatible field record. The list of compatible software is constantly growing.

## Right on track

### Work up to 1,250 hectares more with VarioGuide

The 900 Vario can work 1250 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. Operators can achieve optimal results and maximise the utilisation of their tractors, even at night or in poor visibility conditions.

### Enhanced driving comfort

With VarioGuide you not only work more economically, but also benefit from significantly improved operator comfort. The tractor automatically drives in the right track, so operators can fully focus their attention on the actual work with the implement. For bed-by-bed cultivation, several waylines can be saved for each field.

### Always connected

In addition to the US GPS satellites, VarioGuide, which is operated with the Varioterminal, is capable of using the Russian GLONASS satellite system and is also ready for use with the planned European Galileo system. The parallel use of several systems guarantees consistent, high reliability of the automatic steering system.

Fendt VarioGuide fits your individual requirements and can deal with almost any shape of field:



#### VarioGuide Standard

- It is ideal for work such as stubble management, compost spreading, rolling, mowing or applying slurry
- Accuracy class: +/- 20 cm
- Correction signals: EGNOS (free of charge), OmniSTAR VBS (subscription required)

VarioGuide Standard allows you to choose between the free EGNOS correction signal and the fee-based OmniSTAR VBS subscription service, which provides outstanding reliability. Satellite-supported operation allows you to profit from both correction signals with full flexibility – no matter where you are working.



#### VarioGuide Precision

- Suitable for almost all agricultural applications, as well as cereal sowing (except for row crops)
- Accuracy class: +/- 5 cm
- Correction signal: OmniSTAR HP (subscription required)

A key advantage of VarioGuide Precision is that it expands the application range to include operations with cereal seeds. Just like VarioGuide Standard, the signal offers full flexibility for operations in changing work locations.



#### VarioGuide RTK\*

- Offers the highest accuracy – ideal for specialty crops
- Accuracy class: +/- 2 cm
- Correction signals: Mobile RTK with a transmission radius of 3 - 5 km, fixed RTK with a transmission range of up to 30 km

With VarioGuide RTK, you get the greatest possible accuracy and constant precision all day and night. The mobile RTK station provides correction signals without requiring a subscription and covers a range of up to five kilometres. Several vehicles can use the signals of just one RTK base station.

With Ntrip, signals are transmitted reliably over the mobile network, which guarantees high availability at all times. That gives you maximum accuracy and high flexibility for interregional operations.

\*depends on country

#### Easy to transfer and well protected

The antenna unit can be easily transferred between pre-equipped machines in a matter of minutes. The individual components, such as the antenna, receiver and roll bias compensation unit are accommodated in a compact housing unit and fully integrated in the roof. The antenna is therefore optimally protected against external influences such as blows from branches..



#### Intuitive operation via the Varioterminal

In the Varioterminal, operators have an overview of all the important settings for VarioGuide on one page. The straightforward display makes it very easy to operate and menu navigation is intuitive.



#### 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.

#### • Precise and reliable Fendt VarioGuide automatic steering

- Significantly higher area coverage through six percent less overlapping

#### • Savings on inputs

- Precise driving in poor visibility conditions

#### • Reliable satellite connection through the use of GPS and GLONASS

VarioGuide received the overall rating 1,55 in the top agrar tractor test "GPS steering" 03/2011:

"The system is straightforward, fully integrated and works well"

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.





## The engine and transmission work together perfectly

**Strong, with lots of pulling power – 390 hp**  
 With a maximum output of 390 hp, the 900 Vario delivers enormous power. 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 Liter Kraftstoff gespart mit 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.

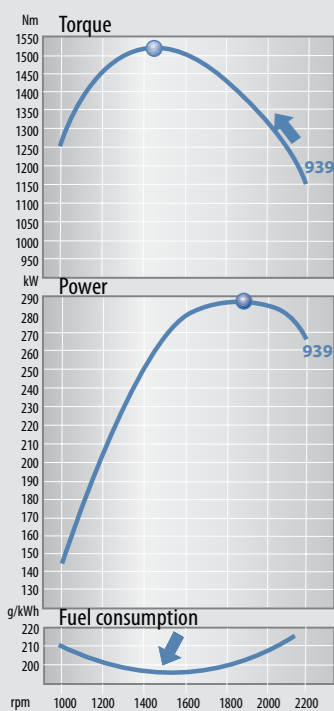
\*In-house comparison Fendt

**Automatically drive at the limit**

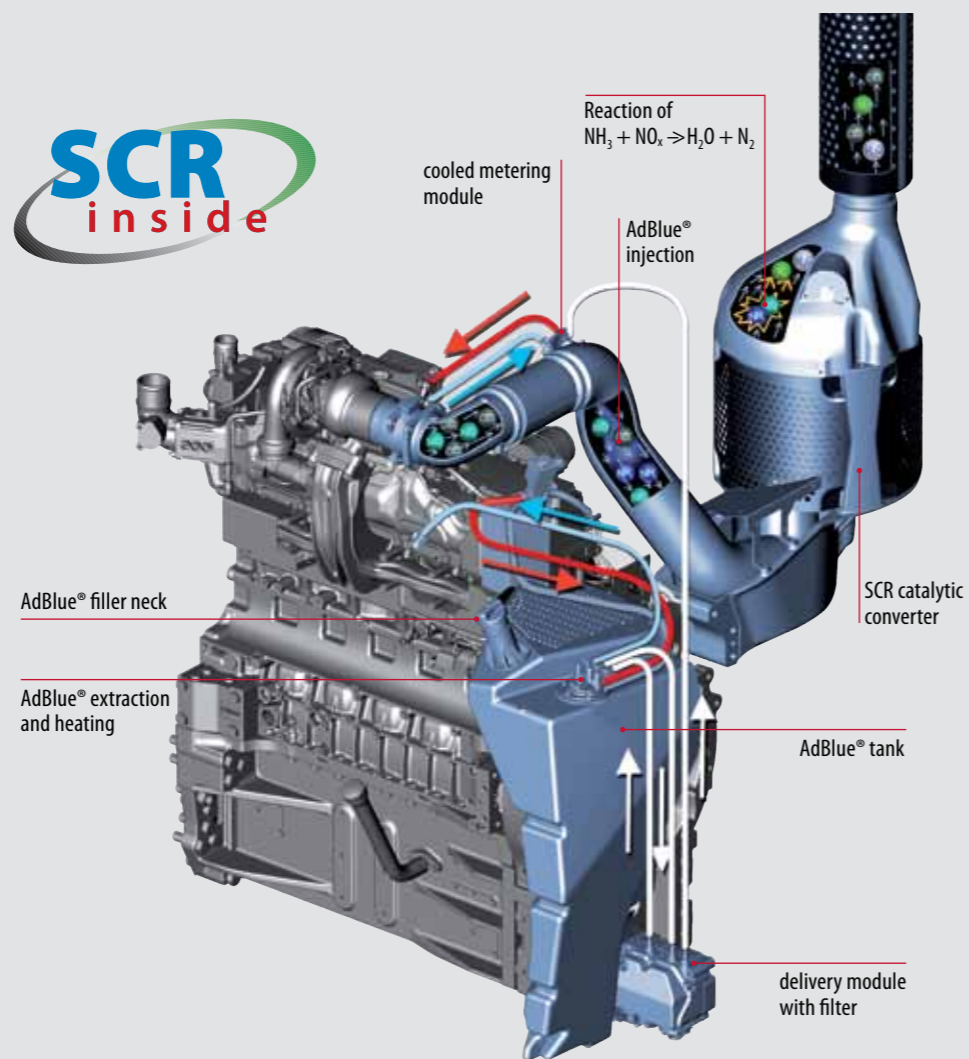
New in the 900 Vario is the automatic load limit, i.e. the automatic maximum output control. The maximum output control enables load-dependent adjustment of the travel speed dependent on engine speed. There are different optimum values that can be set as the load limit for different operations, for example 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.

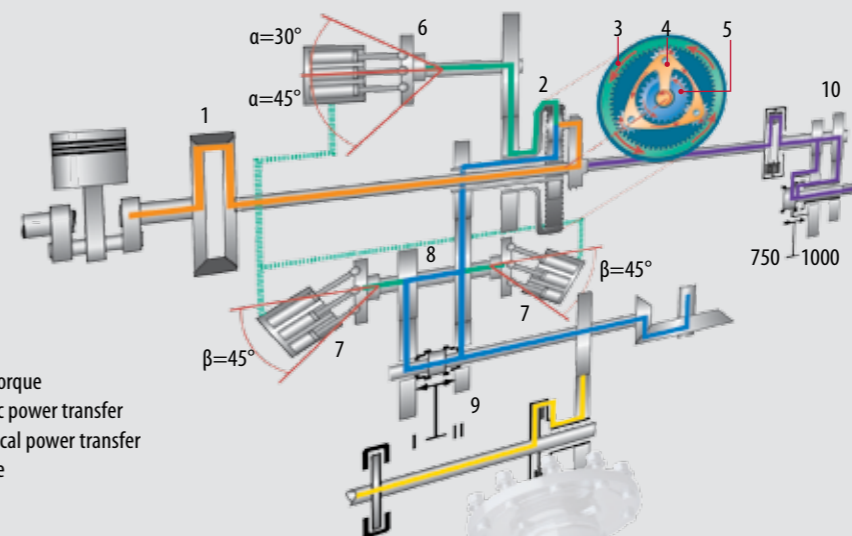


1,547 Nm torque, max. 390 hp at 1,450 rpm and a specific fuel consumption of 194 g/kWh for the 939 Vario, thanks to implementation of the latest technology.



**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<sub>x</sub> 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.



- 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.

- 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
- Unrestricted use of RME
- Common rail high pressure injection system with injection pressure up to 2,000 bar
- Stepless Vario transmission ML260
- 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 Fendt 900 Vario in the field

## The high performer with up to 20 percent more 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.

Thanks to a 2.15-meter maximum tyre diameter (710/75 R42) – the largest possible diameter for standard tractors on the market – the 900 Vario transfers power effectively to the ground. In terms of soil protection and traction, the high performer provides up to 20 percent better results than with the next smaller tyres.\*

\* Comparison "Test Tyres for the 300-hp Class", Agrartechnik 10/2010 / DLZ Traktorenheft 2011



## 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.

### 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 160 or 216 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 (1000 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.

#### 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

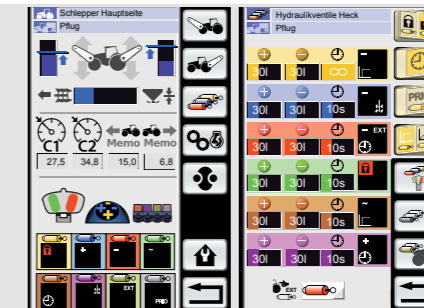


#### Fendt 900 Vario connections at the front:

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



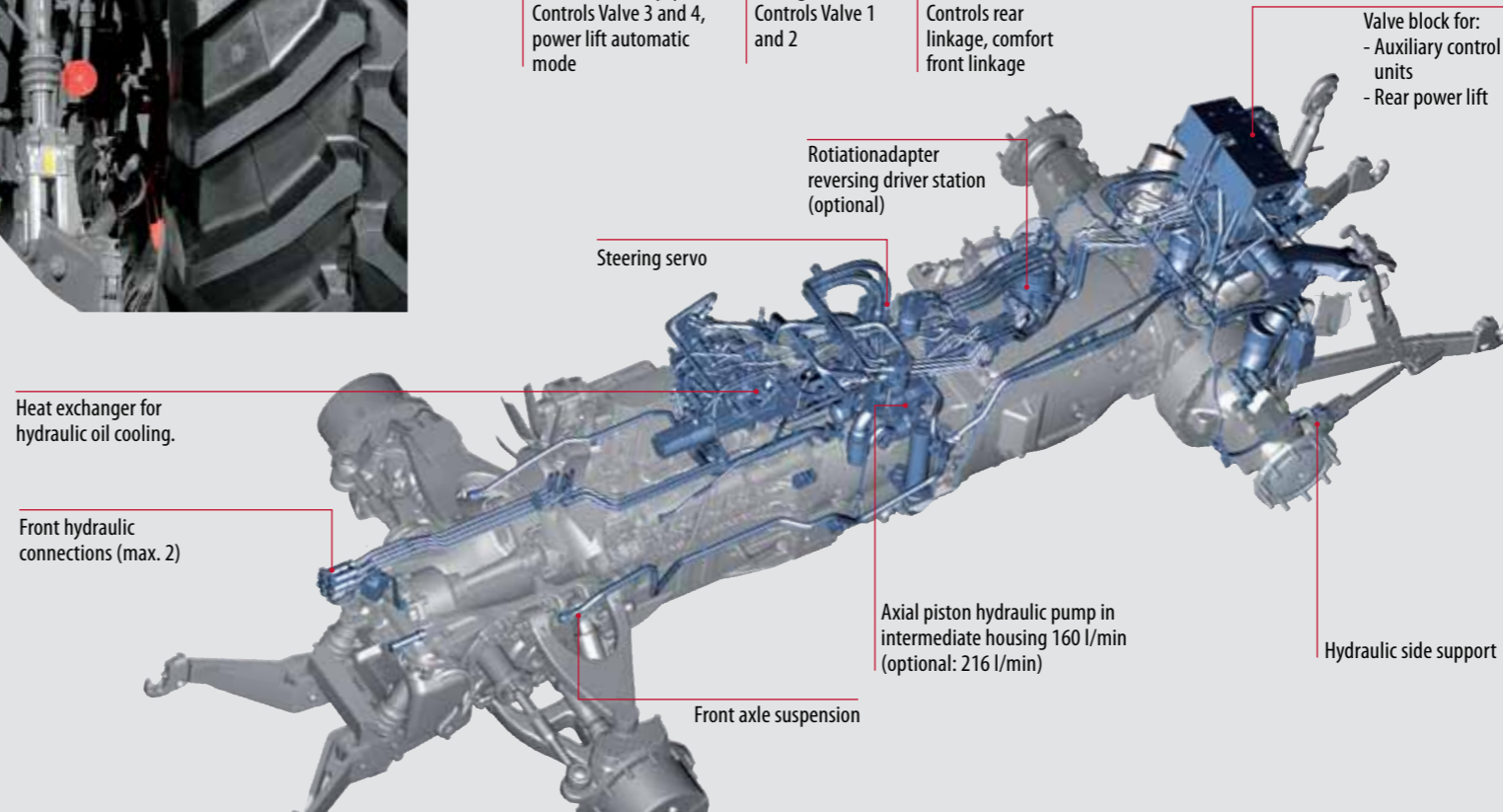
- Multi-function joystick Controls Valve 3 and 4, power lift automatic mode
- Crossgate lever Controls Valve 1 and 2
- Power lift module Controls rear linkage, comfort front linkage



#### 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.

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



Heat exchanger for hydraulic oil cooling.

Front hydraulic connections (max. 2)

Steering servo

Rotationadapter reversing driver station (optional)

Axial piston hydraulic pump in intermediate housing 160 l/min (optional: 216 l/min)

Front axle suspension

Hydraulic side support

- 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

\* Comparison Test "Tyres for the 300-hp Class", Agrartechnik 10/2010 / DLZ Traktorenheft 2011:

tested tyres included the Michelin 710/75 R42 AxioBib IF with a 2.15-m diameter, which is approved by Fendt for standard tyres. Traction measurement with five percent slip revealed that the IF 710/75 R42 has a 20-percent higher traction value than the IF 710/70 R42 (2.05 m tyre diameter). A clear result. Fendt offers the 710/75 R42 tyres as standard for the 936 and 939 Vario



## 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.



## 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 1750 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.

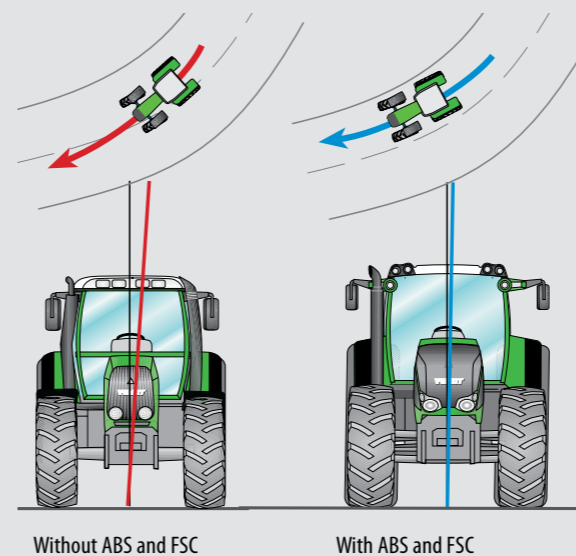
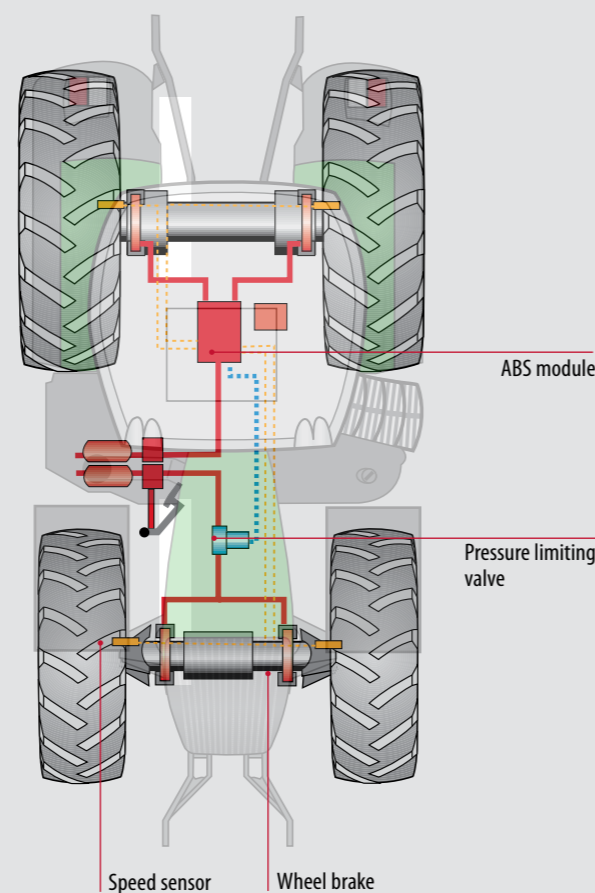
### Maximum on-road and in-field driving safety

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

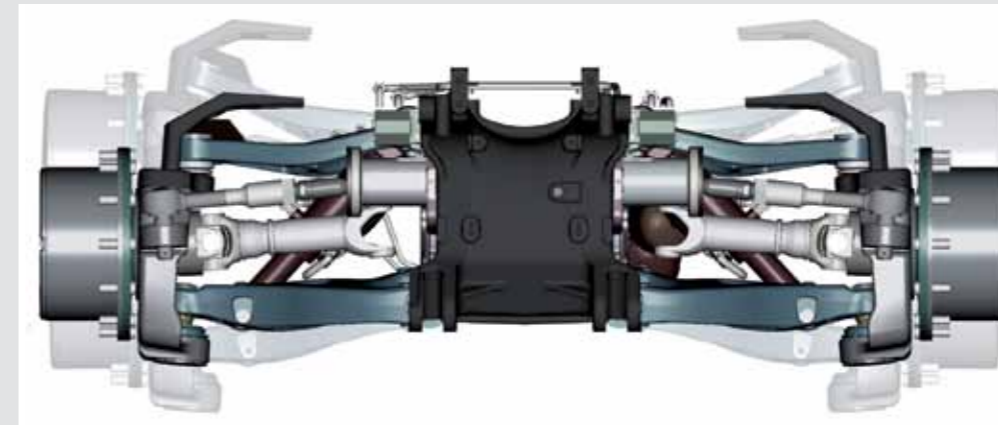
The overall chassis concept provides the best ride comfort and optimum ergonomics. Seven points ensure an exceptional driving sensation:

- 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.



### 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.

- 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

### 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.

## Look forward and backward in all situations

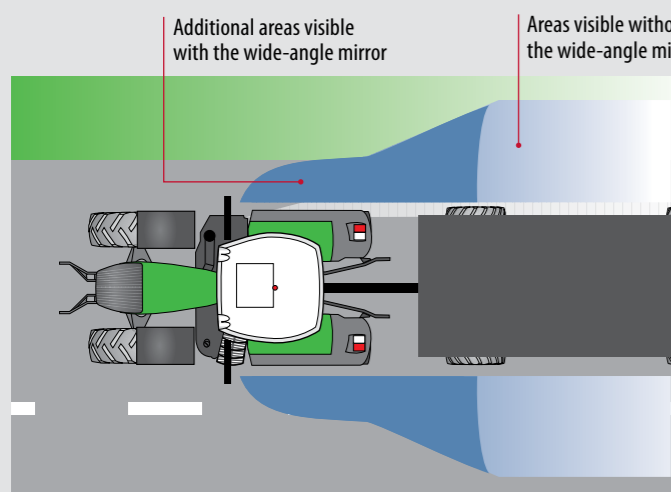
### More visibility for more safety

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 also available with Xenon and LED lights upon request. The corner lights light up the wheel arches and makes the track easier to see in the dark.

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.



### 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..



### 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.

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

### Fendt versatility

## 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.



## 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 m<sup>2</sup> glass area
21. Pneumatic cab suspension
22. Multi-function armrest
23. 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







## 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.

### 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 Variofahren

### 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 900 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 reduce 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 trendsetter, Fendt continually provides vital impulses and implements 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

## Leaders drive Fendt



[www.fendt.com](http://www.fendt.com)

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Sales Agent:

  
Your Agriculture Company

**Fendt is a world wide Brand of AGCO.**

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.