

FENDT

Fendt 800 Vario

822 • 824 • 826 • 828



Innovation through passion

With the 800 Vario, Fendt introduces the next generation of compact high-horsepower tractors. A maximum engine power output of 280 hp, a top speed of 60 km/h and the electronics platform, Variotronic, are only a few of the highlights on the 800 Vario. The SCR engine technology ensures highly efficient use of fuel for greater profitability. That is a new dimension in innovative power – experience the new 800 Vario from Fendt.

Fendt 822 Vario	220 hp	162 kW
Fendt 824 Vario	240 hp	176 kW
Fendt 826 Vario	260 hp	191 kW
Fendt 828 Vario	280 hp	206 kW

Maximum output to ECE R24



828 Vario

245*
g/kWh

DLG PowerMix (02/2011)
*plus AdBlue consumption amounting
to 6.9 Vol.-% of the diesel consumption

**BEST
IN CLASS****
241 - 300 hp, 02/2011

The philosophy: MORE from LESS

Innovations, perfectly implemented, are only valuable when they provide a noticeable benefit. That is what Fendt Efficient Technology stands for. The philosophy is MORE from LESS – achieve more using less resources, such as time, fuel or operating materials. 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 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

More performance:

- 60 km/h for a 16 percent higher transport capacity
- Move up to 37 tonnes more per day

More profitability:

- 17,500 litres of fuel saved with SCR***
- Automatic Fendt Efficiency makes saving easy
- Automatically work at the limit with the automatic maximum output control

More comfort:

- 3.5 m³ driver paradise with panorama view
- Up to 1,920 fewer hand movements a day
- 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 as well as forward

More safety:

- Seven points for comfort and driving safety
- Safe driving on the road and in the field

More information:

www.fendt.com/efficient-technology

** In the class from 241 to 300 hp, 3 tractors compliant with Stage 3b/Tier 4 interim have been tested up to now.
***In-house comparison Fendt

The driver station in the 800 Vario

Technology that is comfortable

A work place that is a pleasure to work in, allows you to achieve the best results in the long-term. In your 800 Vario, you simply feel good. Operating the Variotronic with the new touch screen Varioterminal will delight you with each and every touch, because it truly makes demanding work easier. After a long day you will still be fit and alert enough to do all the other things you like to do.



Drive first class

3.5 m³ operator paradise with panorama view

Take your seat in the big x5 cab. It offers a generous amount of space and the large glass areas provide exceptional visibility – a true panorama view. The automatic air-conditioning system ensures a pleasant temperature in the workplace at all times, beverages from the 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.

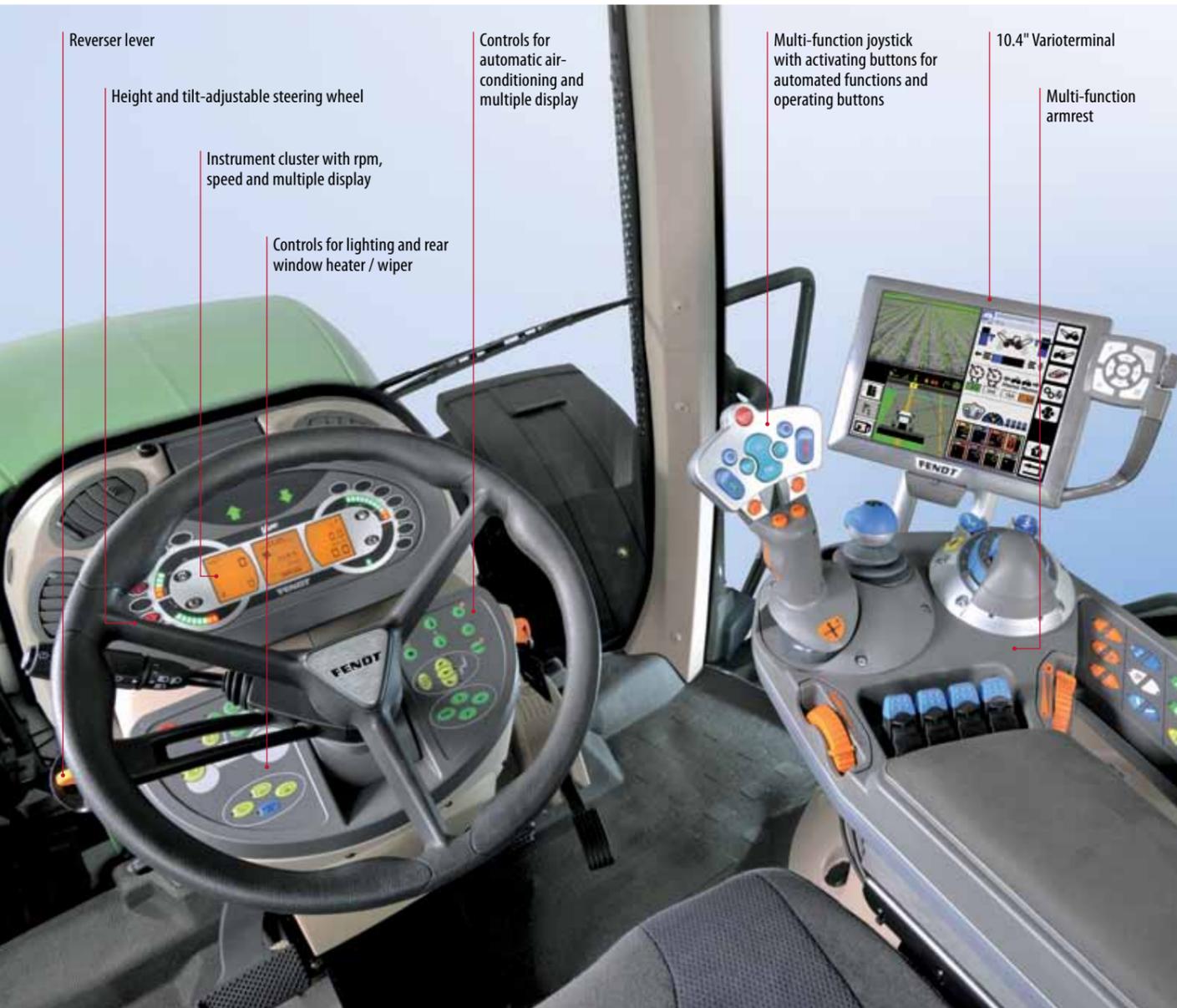
1,920 hand movements less per day

During turning manoeuvres at the headland, operators usually have to change between different control elements, sometimes up to 12 times. In the 800 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 just full suspension

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



No vibrations, no bounce

The three-point suspension with mechanical spring elements minimise vibrations in the 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



- 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."

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: the tractor and implement controls, camera functions as well as the documentation and automatic steering systems are now completely integrated in the Varioterminal 10.4" and can be operated using the same operating logic. That saves you the cost of 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

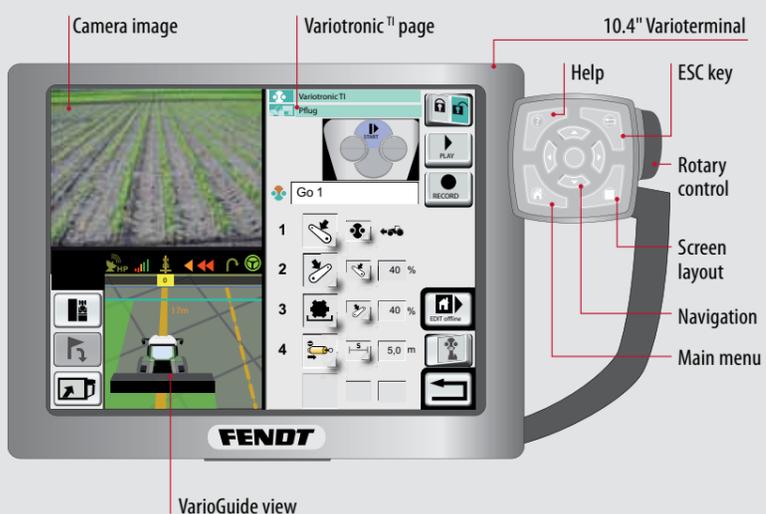
Up to 160 turning manoeuvres in ten hours can be exhausting without automated functions. The 800 Vario is equipped with the Variotronic^{TI} headland management system as standard to ensure that the last turning manoeuvre is as precise as the first. The Variotronic^{TI} is clearly displayed in the Varioterminal. Operators can activate automated operating sequences at the headlands with just a touch of a button. To optimise the sequence of the steps, they can also be edited and adjusted individually when the tractor is at a standstill. That saves time at the headlands and prevents possible operating errors on long work days.

Work up to 1,250 hectares more with VarioGuide

The 800 Vario can work 1,250 hectares more through automatic steering alone, with an average reduction in overlapping of 6% in a total of 5,000 operating hours in the field. Even at night or in poor visibility conditions, operators can achieve optimum results and utilise their machines to the maximum. 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.

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.



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

The new Varioterminal

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



The 4-in-1 Varioterminal

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.



Camera functions

The Varioterminal has two camera inputs. They can be viewed in quarter, half or full screen view. Operators no longer need to turn around constantly, for example, to monitor the rear implement.



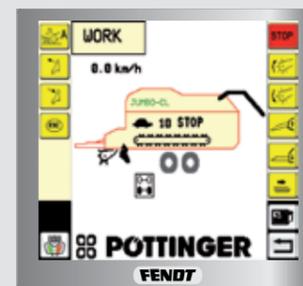
Documentation with VarioDoc

All data are transferred wirelessly to the office PC and automatically saved. Bothering exporting of data with a memory card is no longer required.



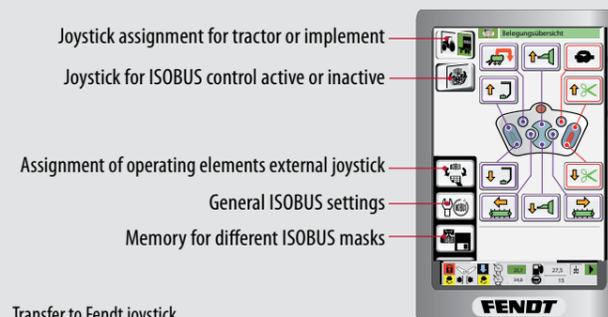
Variotronic^{TI} headland management

The entire Variotronic^{TI} operating procedure is displayed in both terminals, along with the relevant triggers, for example, the seconds to the next step, so that operators can follow the sequence and make changes to it as required.



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.



Transfer to Fendt joystick

Control of the ISOBUS implement can be transferred to the joystick, if supported by the implement.



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 ensures maximum reliability thanks to new satellite technology.

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

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"

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Cutting-edge engine and transmission technology

Finally, ecology that pays off

The 800 Vario is powered by highly efficient drive train technology that delivers convincing pulling power and fuel efficiency. In addition to reducing emissions, the SCR technology also significantly lowers fuel consumption and CO₂ emissions. The powerful six-cylinder engine, combined with the continuously variable Vario transmission, is dynamic and lively. Two leading technologies perfectly united.



Perfect teamwork between the engine and transmission

Less fuel consumption – more dynamics

Low costs per hour are of major significance for the overall profitability of the tractor. The six-cylinder Deutz engine, with common rail high-pressure injection system and a maximum output of up to 280 hp, delivers high fuel efficiency. The optimised injectors enable very precise injection with a pressure of up to 2,000 bar. Another reason behind the exceptional dynamics is the turbocharger, which features an electronically controlled wastegate.

17,500 litres of fuel saved with SCR

The Fendt 800 Vario complies with emissions standard Stage 3b (= Tier IV interim). For Fendt, SCR technology is the best solution for compliance with the emissions standard, since it allows fuel consumption to be lowered by another seven percent*. The 800 Vario, with an average fuel consumption of 25 l/hr, saves 1.75 litres per hour through SCR alone. In 10,000 operating hours that means a total of 17,500 litres of diesel are saved. 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.

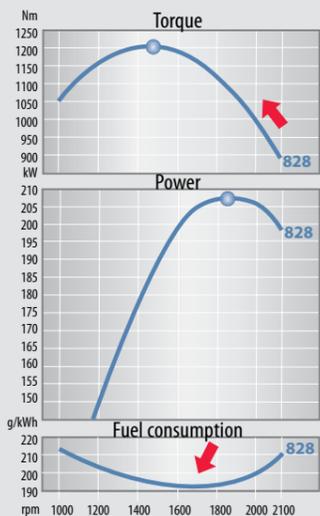
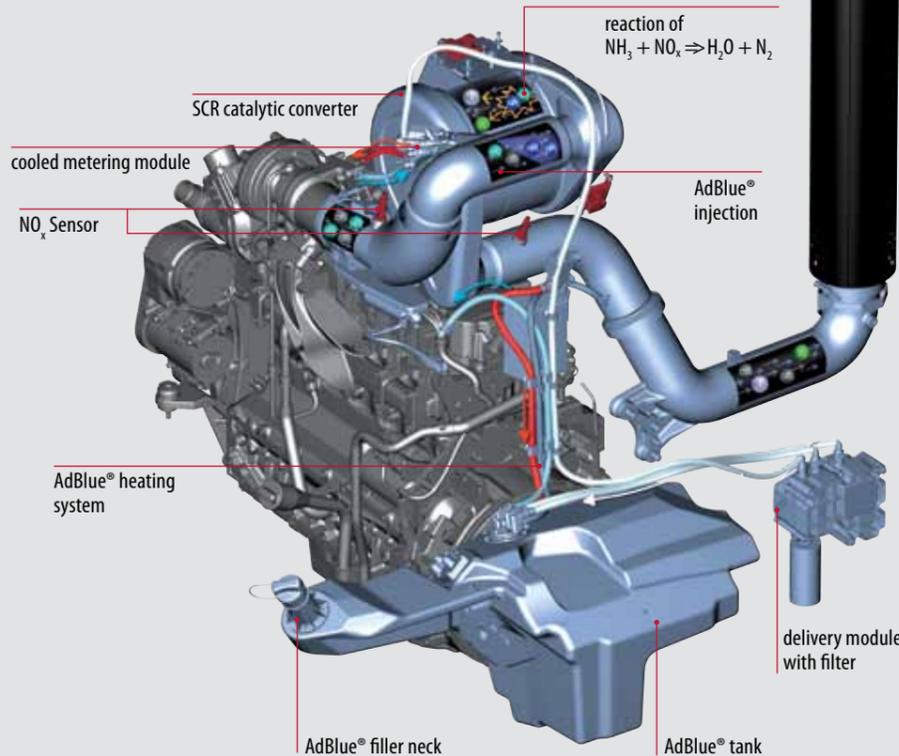
*In-house comparison Fendt

Automatically drive at the limit

New in the 800 Vario is the load limit automatic, i.e. 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 types of 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 each operation. Alternatively, operators can also set the maximum output control manually.

Automatic Fendt Efficiency makes saving easy

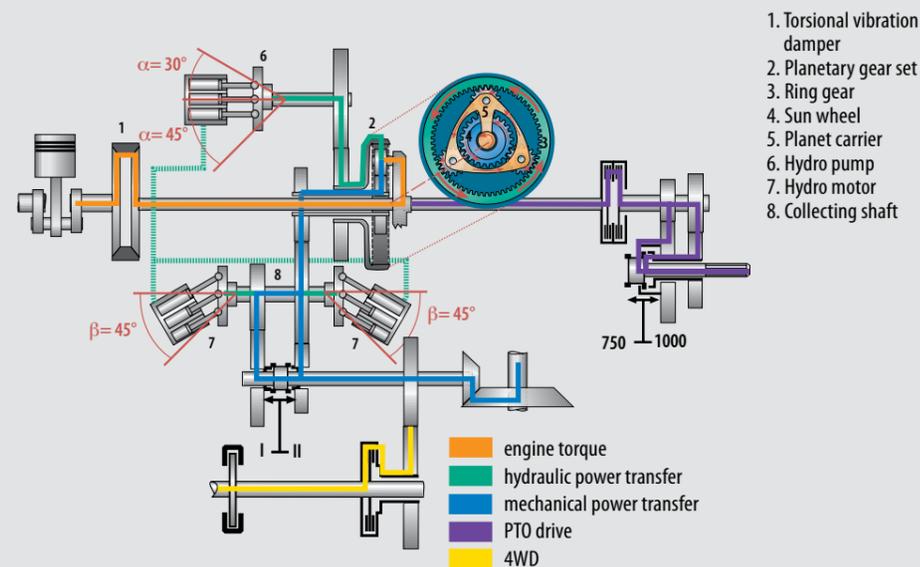
For years tests have shown that continuously variable speed adjustment – such as the Vario transmission offers – brings huge savings potential in time and money. In the 800 Vario, the continuously variable ML 220 transmission ensures maximum drive train efficiency. The Tractor Management System TMS keeps the engine and transmission in the ideal operating range during all operations – that means automatic efficiency. Moreover, the drive train in the rear axle has been developed further: the slow-running multi-disc brake further reduces fuel consumption of the already very economical drive train.



1,210 Nm torque, 280 hp max. output at 1,900 rpm and a specific fuel consumption of 192 g/kWh for the 828 Vario thanks to implementation of cutting-edge technology.

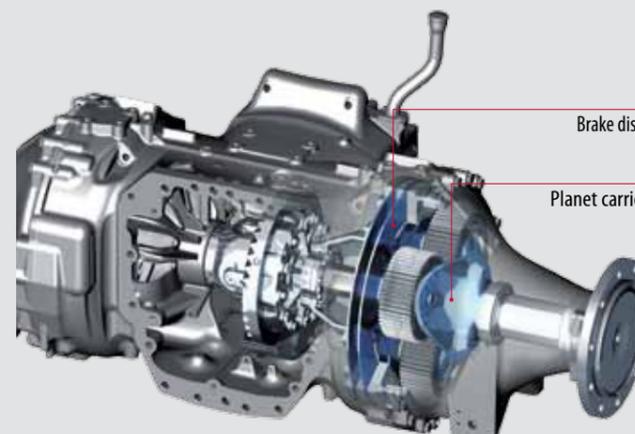
SCR (Selective Catalytic Reduction) for exhaust after-treatment

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 about seven percent of normal diesel consumption. This can vary depending on the operation. AdBlue® is available all over the world at filling stations or through AGCO Parts



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.



A new drive train in the rear axle for the best efficiency

A completely new drive train has been developed for the rear axle of the 800 Vario. The new slow-running brakes minimise losses in the rear axle. This enables the best efficiency and reduces fuel consumption, even at high speeds, which is particularly important for transport work.

- Six-cylinder engine with a 6.06 l cubic capacity: 280 hp maximum output at 1,850 rpm

- SCR technology for compliance with emissions standard Stage 3b (Tier IV interim) and for high fuel efficiency

- Unrestricted use of RME

- Common rail high-pressure fuel injection system with injection pressures up to 2,000 bar

- Vario transmission ML220

- Tractor Management System TMS and automatic maximum output control are standard

Strength at the front and rear – when everything fits together

Flexibility and versatility when mounting and operating modern and heavy implements is a prerequisite for economical operations. The nice thing about the 800 Vario is that all implements can be mounted and removed without difficulty and can be controlled very easily with the Varioterminal. That gives you a fast and relaxed start into your work day.



It is the sum of the details that enables perfect operations

More than 22 connections at the front and rear

The Fendt 800 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 800 Vario has more than 22 connections, which are practicably located both at the front and rear. That ensures versatile operations and trouble-free connection of all implements.

Powerful lift capacity

The lift capacities of the 800 Vario have been significantly increased over the previous models. The electrohydraulic rear power lift, which has a maximum lift capacity of 83.4 kN, ensures 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 5,030 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 800 Vario is well-equipped for demanding operations. Depending on the area of application, you can equip the 800 Vario with a load-sensing pump with a delivery capacity of 152 litres (optionally 109 or 193 litres) per minute.

PTOs with economy function

The PTOs can be easily controlled via the multi-function armrest. External controls are also available at the front and rear. The rear 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 in the front.

A push of a button for best quality of work

In the valve assignment page in the Varioterminale, 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.

There are numerous connections 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



Connections at the front of the Fendt 800 Vario:

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



Multi-function joystick
Controls Valves 3 and 4, Variotronic¹, linkage

Crossgate lever
Controls Valves 1 and 2

Power lift module
Controls rear linkage, comfort front linkage, PTOs



Easy operation in Varioterminale

The hydraulics can be operated easily and intuitively in the Varioterminale. 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.

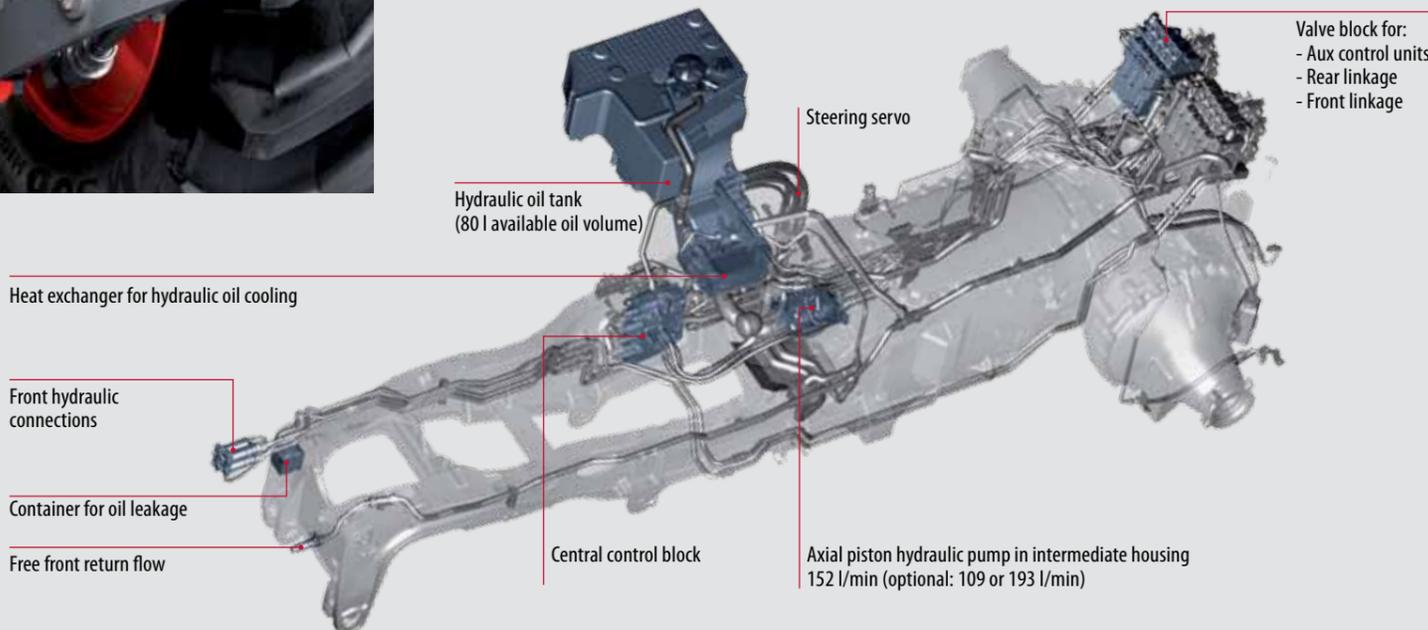
- Up to eight electrohydraulic double-acting valves

- Maximum lift capacities:
Front: 5,030 daN
Rear: 11,110 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 PTOs



Hydraulic oil tank (80 l available oil volume)

Steering servo

Valve block for:
- Aux control units
- Rear linkage
- Front linkage

Heat exchanger for hydraulic oil cooling

Front hydraulic connections

Container for oil leakage

Free front return flow

Central control block

Axial piston hydraulic pump in intermediate housing
152 l/min (optional: 109 or 193 l/min)

20

21

60

The Fendt 800 Vario for transport

Drive faster and safer

Speed and flexibility are a must for transport work – exactly the right thing for the new 800 Vario. With a top speed of 60 km/h and a chassis that masters high speeds, you are in the passing lane with the 800 Vario when it comes to transport.



More kilometres, more safety – less fuel consumption

Move 37 tonnes more a day

The 800 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 800 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 800 Vario is driven at 50 km/h and an engine speed of 1,450 rpm, it boasts even greater fuel efficiency.

*in-house measurement

Seven points for your comfort

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

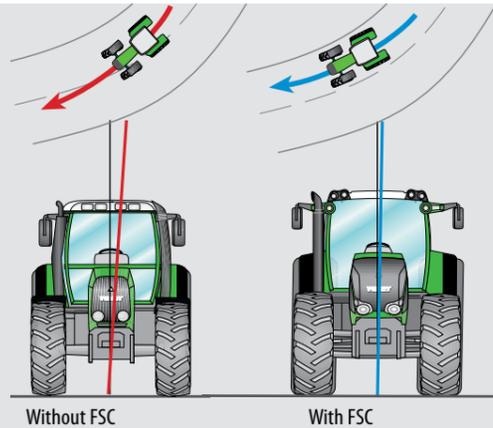
- the self-levelling front axle suspension
- the anti-roll control
- the Fendt Reaction steering system
- the shock load stabilising
- the cab suspension
- the seat suspension
- the automatic steering axle lock.

Maximum on-road and in-field driving safety

The chassis ensures optimum handling on the road and in the field. With the unique Fendt Stability Control (FSC), you are in control, even when negotiating curves. At the same time, the nearly maintenance-free braking system, comprising two integral multi-disc brakes for the rear wheels and a disc brake on the cardan shaft for the front wheels, offers high driving safety and excellent deceleration. And with the wide-angle mirror, you have everything that happens next to you in view.

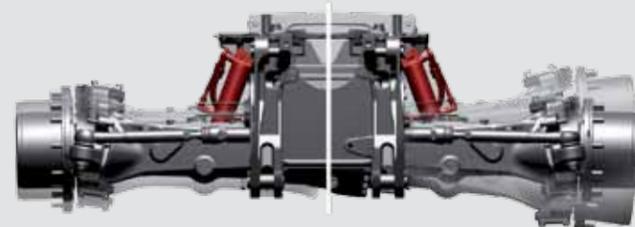
Automatic steering axle lock

The optional automatic steering axle lock automatically unlocks the steering axle at a predefined speed on trailers with self-steering axles. On straight stretches, the rigid self-steering axle ensures stable handling. Operators do not need to lock the self-steering axle manually outside of the preselected speed range and when reversing.



Stability control (FSC)

At speeds above 20 km/h, the 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 again, compensation between the left and right side is possible, which ensures the best ground contact.



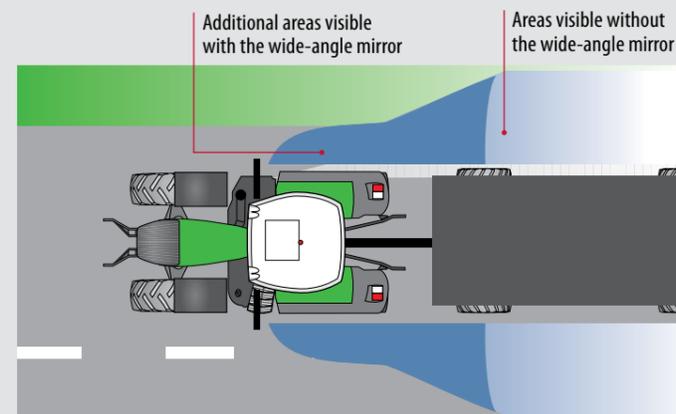
New front axle suspension for maximum driving safety at 60 km/h

The new front axle suspension with exterior spring cylinders and dual-circuit braking system with integral cardan brake permit a maximum speed of 60 km/h.



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 800 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 800 Vario can be individually adjusted for up to 360 degrees of illumination. Xenon work lights are available as an option.

- 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
- Fendt Reaction steering system
- Tachograph optional

Fendt versatility

Go forward faster in reverse

In addition to classic agricultural applications, specialty operations for contracting, municipal and forestry applications are increasing in the professional sector. Fendt offers a factory-installed, full function reverse drive option for these very demanding operations. It allows you to benefit from an increased range of applications and you can use the Vario almost 365 days of the year.



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The sum of the technical solutions
create the technological lead

Cutting-edge technology combined

In the 800 Vario, state-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. New front axle suspension (lockable and maintenance-free, +/- 60 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. 6.06 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. Cardan brake for front axle
16. Fuel tank with 505-l capacity
17. Planetary axle
18. Wet, slow-rotating multi-disc brake for rear wheels
19. Rear linkage with hydraulic lateral stabilisation
20. X5-cab with integral automatic air-conditioning and 5.5 m² 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 active with climate control and active suspension
26. Comfort passenger seat with automatic seat belt
27. External rear view mirror, electrically adjustable, heated
28. External rear controls for linkage, PTO and one hydraulic control unit



Fendt	822	824	826	828
Engine				
Rated power (kW/hp) (ECE R24)	147 / 200	162 / 220	176 / 240	191 / 260
Max. power (kW/hp) (ECE R24)	162 / 220	176 / 240	191 / 260	206 / 280
Rated power (kW/hp) (EC 97/68) ⁴⁾	159 / 216	174 / 237	188 / 256	203 / 276
Max. power (kW/hp) (EC 97/68)	166 / 226	182 / 248	195 / 265	211 / 287
No. of cylinders / cooling	6/water	6/water	6/water	6/water
Cylinder bore / stroke (mm)	101 / 126	101 / 126	101 / 126	101 / 126
Cubic capacity (cm ³)	6056	6056	6056	6056
Rated engine speed (rpm)	2100	2100	2100	2100
Engine speed at max. power (rpm)	1900	1900	1900	1900
Max. torque (1450/rpm)	955	1040	1120	1210
Torque rise (%)	37	36	35	35
Optim. fuel consumption (g/kWh)	192	192	192	192
Fuel tank (l)	505	505	505	505
AdBlue® (l)	42	42	42	42
Oil change interval (op. hrs.)	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
Rear PTO (rpm)	540E / 1000 or 1000 / 1000E			
Front PTO (rpm) ¹⁾	1000			

Hydraulics and linkage				
Displacement pump (200 bar) (l/min)	152	152	152	152
Rear power lift control	EPC	EPC	EPC	EPC
Max. auxiliary valves, (standard)	4 da ²⁾ (3 da ³⁾ electr. valves			
Power version:				
Profi version:	8 da ³⁾ (4 da ³⁾ electr. valves / crossgate lever			
Profi Plus version:	8 da ³⁾ (4 da ³⁾ electr. valves / crossgate lever			
Max. lift capacity, rear linkage on the drawbar (kN/kp)	11110	11110	11110	11110
Max. lift capacity, front linkage (daN)	5030	5030	5030	5030
Implement weight / front linkage up to (kg)	3364	3364	3364	3364

Weights and dimensions				
Unladen weight	9300	9300	9450	9450
Perm. overall weight (kg)				
for 40 km/h / 50 km/h (single-circuit brake)	14000	14000	14000	14000
for 40 km/h / 50 km/h (dual-circuit brake)	16000	16000	16000	16000
for 60 km/h (dual-circuit brake)	14000	14000	14000	14000
Max. vertical hitch load with standard tyres and 60 km/h (kg)	2000	2000	2000	2000
Overall length (mm)	5274	5274	5274	5274
Overall width (mm)	2550	2550	2550	2550
Overall height (mm)	3270	3270	3270	3270
Ground clearance (mm) ²⁾	513	513	567	567
Wheelbase (mm)	2900	2900	2900	2900
Track width front (mm) ²⁾	2000	2000	2000	2000
Track width rear (mm) ²⁾	1970	1970	1970	1970
Min. turning circle (m) ³⁾	5,4	5,4	5,4	5,4

Electrical equipment				
Starter (kW)	4.0	4.0	4.0	4.0
Battery (V/Ah)	12 / 170	12 / 170	12 / 170	12 / 170
Alternator (V/A)	14 / 2x150	14 / 2x150	14 / 2x150	14 / 2x150

¹⁾ = optional, ²⁾ = with standard tyres, ³⁾ = can also be operated as single-acting, ⁴⁾ = definitive power specifications for registration, ⁵⁾ = without steering brake, with 540/65R30

Fendt	822	824	826	828
Tyres				
Standard front	540/65 R 30	540/65 R 30	540/65 R 34	540/65 R 34
Standard rear	650/65 R 42	650/65 R 42	650/85 R 38	650/85 R 38
Optional front	540/65 R 34	540/65 R 34	600/70 R 30	600/70 R 30
Optional rear	650/85 R 38	650/85 R 38	710/70 R 42	710/70 R 42
Optional front	600/70 R 30	600/70 R 30	710/60 R 30	710/60 R 30
Optional rear	710/70 R 42	710/70 R 42	900/60 R 38	900/60 R 38

Standard and optional equipment	Power	Profi	ProfiPlus
Vario controls			
Joystick with cruise control and engine speed memory	●	⊘	⊘
Multi-function joystick with cruise control, engine speed memory, automated functions, controls for hydraulics	⊘	●	●
Varioterminal 7" with both touchscreen and key control	●	●	⊘
Varioterminal 10.4" with both touchscreen and key control	⊘	□	●
Variotronic implement control for ISOBUS	□ ¹⁾	●	●
Variotronic ¹⁾ - Headland Management System	⊘	●	●
Vario TMS - engine-transmission management system	●	●	●
VarioDoc - Documentation system	⊘	□	●
VarioDoc Pro - Documentation system	⊘	□	□
Automated steering system ready kit	⊘	⊘	□ ²⁾
VarioGuide automated steering system	⊘	⊘	□
Electronic immobiliser	●	●	●

Cab			
Mechanical cab suspension 3-point	●	●	●
Pneumatic cab suspension, 3-point with integral levelling	□	□	□
Reversing driver station for 2-way operation	□	□	□
Height and tilt-adjustable steering column	●	●	●
Super comfort seat, air sprung, low frequency suspension	●	●	●
Super comfort seat Evolution with climate control	□	□	□
Super comfort seat Evolution with climate control and active suspension	□	□	□
Passenger seat with automatic seat belt	●	●	●
Comfort passenger seat	□	□	□
Radio mounting kit with two stereo loudspeakers	●	●	●
Dual radio slot with four loudspeakers	□	□	□
Blaupunkt Radio CD MP3 with sound system	□	□	□
Radio CD MP3 Blaupunkt with hands-free speaking system, sound system	□	□	□
Factory-installed tachograph	□	□	□
Integral automatic air-conditioning	●	●	●
Toxic filter (aerosol)	□	□	□
Rear window wash/wipe	□	●	●
Side view mirror, electrically adjustable and heated	□	●	●
Side mirror mechanically adjustable	●	⊘	⊘
Wide angle mirror	□	□	□
Interior mirror	□	●	●
Work lights, 2x roof rear, 1x roof front	●	●	●
Work lights A-pillar, rear mudguards	□	□	□
Work light Xenon A-pillar, mudguard rear, roof front	□	□	□
Work light LED A-pillar, mudguard rear	□	□	□
LED rear lights	□	□	□
Bracket for additional device	□	□	□
Air-conditioned cool box	□	□	□

Engine			
Automatic load limit control	●	●	●
Fuel pre-filter	●	●	●
Heated fuel prefilter	□	□	□
Preheater package (engine, transmission, hydraulic oil)	□	□	□
Exhaust brake	□	□	□

Transmission			
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	□	□	□

Standard and optional equipment	Power	Profi	ProfiPlus
4WD / differential locks			
Comfort engagement 4WD / differential lock	●	●	●
Rear / front differential with 100% disc locking	●	●	●
Power shift PTO			
Rear: Flange PTO 540E/1000 rpm	●	●	●
Rear: Flange PTO 1000/1000E rpm	□	□	□
Front: 1000 rpm	□	□	□
External rear PTO controls	●	●	●

Hydraulics			
Load sensing system with axial piston pump (152 l/min)	●	●	●
109 l/min delivery capacity	□	□	□
193 l/min delivery capacity	□	□	□
Electrohydraulic power lift da (EPC), with external actuation	⊘	●	●
Electrohydraulic linkage sa (EPC), with external actuation	●	⊘	⊘
hydraulic lower link lateral stabilisation	□	□	□
Radar anti-slip control	□	□	□
QC hydraulic top link	□	□	□
Lower link hooks cat. 4	□	□	□
Hydraulic connection external (load-sensing)	□	□	□
Hydraulic valve actuation crossgate lever, multi-function joystick	⊘	●	●
External controls for hydraulic control unit rear	●	●	●
Double connect-under-pressure lever couplings rear	□	□	□
Easy ballast mounting for front weights	● ³⁾	□ ³⁾	□ ³⁾
Front linkage sa, with external actuation	□	●	●
Comfort front power lift da, with position control, external actuation	⊘	□	□

Body			
Manual hitch	●	□	□
Auto. hitch with remote control, rear	□	●	●
Ball-type coupling, height adjustable	□	□	□
Ball-type coupling incl. frame	□	□	□
Forced steering (one or two-sided)	□	□	□
Hitch coupling	□	□	□
Swinging drawbar	□	□	□
Piton fix	□	□	□
Compressed air Duomatic coupling	□	□	□
Rotating beacon	□	□	□
Wide vehicle markers	□	□	□
Pivoting front mudguards	●	●	●
Dual tyres rear	□	□	□
Dual tyres front	□	□	□
Front weights, various sizes	□	□	□
Wheel ballast weights rear wheels	□	□	□
Design Line	□	□	□
Removable tool box	□	□	□

¹⁾ = controlled with Varioterminal ²⁾ = including VarioGuide roof hatch, ³⁾ = not possible with front linkage
The Fendt on-line configurator: Here you can put together your own custom Fendt according to your wishes. Visit www.fendt.com.

Investing right means saving 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

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 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 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

Leaders drive Fendt



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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.