

**FENDT**

The 1000 Vario Series

**1038** | 380 HP • **1042** | 420 HP • **1046** | 460 HP • **1050** | 500 HP

The leader in tractor technology  
just increased its lead.



The Fendt® 1000 Vario™.  
A 500 engine HP masterpiece for your daily work.



Since 1928, Fendt® has been recognized as the world leader in tractor technology. In the past eight-plus decades, Fendt has been first with a continuously variable transmission (CVT), first with a multi-point cab suspension system and first with full control of all drive functions and hydraulics via a single joystick. Even today, Fendt offers features that are unavailable at any price on other farm tractors.

With the introduction of the Fendt 1000 Vario™, Fendt delivers even more industry firsts, including hydropneumatic cab suspension, front axle suspension, the first clutchless, stepless transmission and the first drivetrain that powers both axles independently.

Big. Strong. Unique. German engineering, teamed with leading-edge Fendt technology. Experience true strength, full traction, masterful controls and intelligent connectivity with the new Fendt 1000 Vario. [A German masterpiece.](#)

## NUMBER ONE FOR HEAVY DRAFT WORK

The Fendt 1000 Vario puts its power to work for you. Large tires, intelligent ballasting and tire pressure assistant deliver just the right amount of grip in any situation, while the variable four-wheel drive provides outstanding maneuverability. To help you pull and pull. Then pull some more.

## MOST POWERFUL STANDARD TRACTOR WITH THE HIGHEST MODULARITY

The Fendt 1000 Vario creates an entirely new segment based on its power output. Designed as a high-performance standard tractor, it features all the advantages necessary for operations both in the field and on the road.

- New power segment 380–500 engine HP
- 30,666 lbs. (13,910 kg.) unladen weight up to 50,706 lbs. (23,000 kg.) permissible
- 60-in. (1.5 m) track-capable
- Fully roadworthy up to 31 mph (50 km/h)
- Optional rear PTO 1000 & 1000E
- Optional rear linkage
- All hitch systems in modular design
- Optional reversing driver station



## MAXIMUM PERFORMANCE — 365 DAYS A YEAR

All components, from the engine and transmission to the fan and hydraulics, were designed specifically to provide enduring power during the most demanding operations, while consuming less fuel to do it. The Fendt 1000 Vario also features the added benefits of high maneuverability, low vehicle weight and high payload. The newest software solutions and diverse interfaces pave the way for connected services, which boost operational efficiency through fast data analysis and maintenance options while still working in the field.

High power — low fuel consumption. With Fendt iD.



## FENDT iD LOW ENGINE SPEED CONCEPT

You don't have to worry if the Fendt 1000 Vario is giving you the most efficient engine speed ranges. You're always in the ideal range. Automatically.

### Fendt iD low engine speed concept

The Fendt 1000 Vario always runs in the maximum torque range for the lowest fuel consumption. That means high power is always delivered at low engine speeds. "High torque, low engine speed" is the principle under which all vehicle components, from the engine and transmission to the fan and hydraulics, were designed.

### High torque — low fuel consumption

The Fendt iD low engine speed concept means low fuel consumption and extended service life. The speed band ranges from 650 to 1,700 RPM. In the main working range, the speeds range from 1,100 to 1,500 RPM, which is easy on both components and fuel. The engine in the Fendt 1050 Vario delivers an impressive 1,770 ft. lbs. (2,400 Nm) of torque.

### The way Fendt iD works

The entire drivetrain works at optimal efficiency. The high-capacity engine, with VTG turbocharger efficiently unfolds enormous power potential at low engine speeds. The transmission and variable four-wheel drive ensure ideal power distribution within the optimal consumption range. The concentric air system (CAS) cooling concept, with high performance fan, cools all heat exchangers according to need and boosts overall efficiency. All power consumers, like the air conditioner, air compressor and alternator, are coordinated for low wear through low engine speeds.



Built for heavy draft work.



Thanks to minimized fan speeds and precise manufacturing with small gap tolerances, the CAS achieves a high cooling capacity at an especially low noise level.

## FENDT 1000 VARIO ENGINE

This new high-horsepower tractor is powered by a strong engine, which delivers power dynamically at low engine speeds. It has a big impact on large operations, while keeping operating costs low.

### 380 to 500 HP

The Fendt 1000 Vario is powered by a highly efficient MAN six-cylinder engine. With a 12.4-liter displacement, it already has a high torque in the low engine speed range. The 1,770 ft. lbs. (2,400 Nm) of torque is available at 1,100 RPM — perfect for heavy draft work. This fast, high-horsepower tractor reaches its top speed of 31 mph (50 km/h) at a fuel-saving 1,200 RPM.

### Economical. Low-emission. Environmentally friendly.

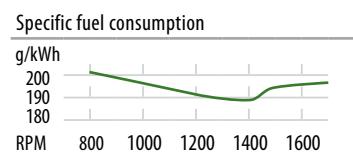
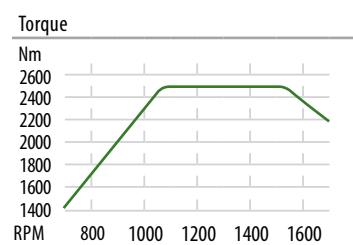
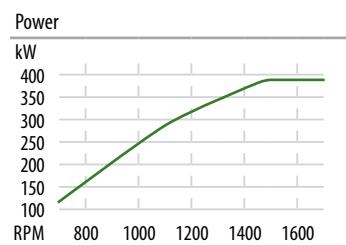
SCR technology combines with the external, cooled exhaust gas recirculation AGRex to significantly reduce nitrogen oxide emissions. The Fendt 1000 Vario complies with the latest emissions standard EU Stage 4 / Tier 4 Final with SCR exhaust technology without diesel oxidation catalyst (DOC) or diesel particulate filter (DPF). This machine is especially economical through its efficient use of fuel and the need-based control of diesel exhaust fluid (DEF) injection.

### Turbo efficiency

The engine, which has been time-tested in the commercial vehicle sector, was tuned for the load spectrum required for heavy field operations with a full load. Charging is taken care of by the VTG turbocharger and already results in high torques at low engine speeds. The low engine noise level and exhaust brake through the VTG, is gentle on the brakes and minimizes wear.

### Unique cooling system

Efficient cooling is provided by the specially developed fan and the CAS cooling concept. A new high-performance fan, located in front of the cooler unit, sucks in cold, dense air, accelerates it over the concentrically formed hood and presses it through the radiator. The CAS has its own hydrostatic drive, so it can always deliver ideal cooling power to each component according to need, independent of the engine speed. Best of all, the fan is tilted upward, preventing harvesting residue from being sucked up from the ground.

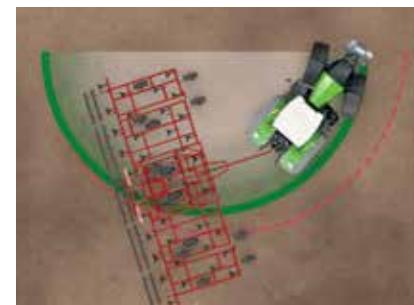


The 12.4L MAN engine with common rail reaches a high-injection pressure of 26,106 psi, providing superior efficiency.



The coolant level and degree of air filter contamination are shown in the Varioterminal™.

Drives your success — at full power.



The pull-in turn effect reduces the turning circle in the field by up to 10%.



Tried and tested Fendt operating logic arranges all functions simply and clearly on the backlit membrane keypad.

## FENDT VARIO DRIVE™ — THE NEW DRIVETRAIN

For more than 20 years, the stepless Vario transmission has been setting the standard in tractor drives worldwide. Now a newly developed, comprehensive drivetrain with variable four-wheel drive takes the Fendt 1000 Vario to the next level.

### From Vario to VarioDrive™

Fendt Vario means stepless, dynamic driving with plenty of pulling power for speeds from .01 to 31 mph (.02 to 50 km/h). The Fendt VarioDrive is the first drivetrain that drives both axles independently. It was developed specifically to exploit high engine power to keep speeds low, independent of ground conditions.

### 500 HP with variable four-wheel drive

Conventional four-wheel drives usually have a fixed torque ratio between the front and rear axle. Fendt VarioDrive enables a variable four-wheel drive, allowing torque to be distributed over two transmission outputs independently on both axles. With the help of an intelligently controlled four-wheel clutch, torque can be shifted between the axles according to need. We call it Fendt Torque Distribution.

### Pulling power with grip

During field operations, torque is transferred flexibly to the axle. The result is tremendous pulling power. As the speed increases, a clutch completely decouples the front axle drive at approximately 15 mph (24 km/h), eliminating drag losses in the drivetrain and increasing efficiency.

### Tightest turning circle

Since there is no fixed drive ratio with the variable four-wheel drive, the front-wheel drive can actively pull the tractor into a curve. We call this the pull-in turn effect. This effect alone reduces the turning circle in the field by up to 10%. VarioDrive minimizes front-tire wear caused by cornering on firm substrates (specifications turning radius for standard tires).



New, larger high-capacity hydrostats with 22.6 in<sup>3</sup> provide greater transmission efficiency.

Everything flows.



Two valves can be prioritized for the dual-circuit,  
high-capacity hydraulics.



## FENDT 1000 VARIO HYDRAULICS

### Versatile coupling system

The flexible coupling housing permits use with different coupling sizes:  $\frac{1}{2}$ ",  $\frac{3}{4}$ " and  $\frac{5}{8}$ " flat face couplings (FFCs). The twin-pump option allows the third and fourth valves to independently deliver a high flow volume of up to 45 GPM with the  $\frac{3}{4}$ " or  $\frac{5}{8}$ " couplings. All connections can be coupled under pressure on both sides.

### Coupling system advantages

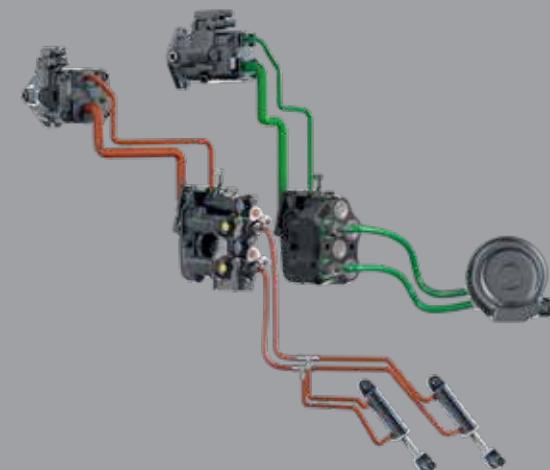
On one hand, the flexible system enables fast machine changes independent of coupling size. On the other, the fleet can be gradually converted to larger valves. In addition, it provides all the advantages of FFCs: a large diameter of  $\frac{5}{8}$  inch for more flow, leakage-free coupling, higher efficiency through lower pressure losses, simple cleaning and a longer life through reduced contamination. All valves have a breakaway function without pressure loss.

### Twice as strong

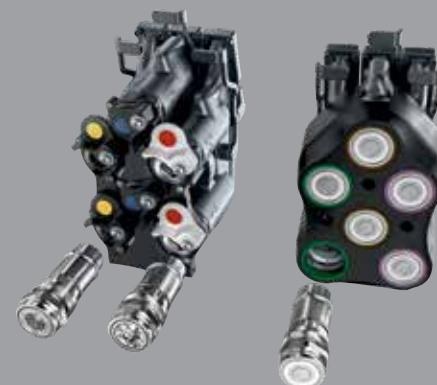
In addition to load-sensing pumps with a delivery rate of 43.6 GPM or 58 GPM, the Fendt 1000 Vario can handle especially high demands with high-capacity hydraulics that provide 113.5 GPM. There are two independent circuits. One pump delivers 55.5 gal., while a second pump delivers 58 gal. These two pumps can be controlled with up to six double-acting valves at the rear and one double-acting valve in the front, to supply oil to multiple operations at the same time.

### Oil flow according to need

Both control pumps supply the respective consumers with the ideal oil volume and the right oil pressure through their own oil circuit. A blower on a pneumatic seed drill, for example, requires high flow but low pressure, whereas the rest of the consumers, like the steering, linkage, chassis or markers, demand high oil pressure with a low flow rate at the same time on the second circuit.



The advantages of the dual-circuit hydraulics are clear: effective fuel savings because throttle losses on the pressure limiting valve, and the unnecessary oil heating associated with them, have been reduced.



Depending on need, the exchangeable screw-in couplings are simply screwed into the block and can be exchanged quickly for different implements.

# Comfort leads to success.

## FENDT LIFE CAB

The cab on the Fendt 1000 Vario is designed for operators who want to achieve high performance while remaining completely comfortable.

### **The first impression counts; the second makes the difference**

The Fendt Life Cab is the perfect combination of state-of-the-art controls and comfort. This becomes apparent when you first enter the cab, because the newly designed Life Cab combines the highest-grade materials with the tried-and-tested arrangement and practicality of all elements. The new experience of space and sight is complemented by the many small things that make daily work more pleasant.

### **Field work with comfort**

Wide steps with side lighting make climbing into the Fendt Vario 1000 cab easy. All the hand grips are intuitively placed. The soft-touch surface of the interior paneling creates a pleasant atmosphere that resists dirt and dampens noise. The new comfort seats feature black leather covers for both the driver and passenger. The adaptive backrest of the dual-motion driver seat swings along when you are looking over your shoulder.

### **New visibility range**

The Fendt 1000 Vario can tow the largest and widest implements, which, thanks to the large window area of the cab, are always in full view of the operator. The cab's new design offers up to 10% more visible area than previous Fendt high-horsepower tractor cabs. Roller shades, integrated in the roof above the front, rear and right-side windows, offer sun protection with one simple hand movement. In addition to the 300° front wiper, a 220° wiper with spray nozzle is also fitted on the right side, for better visibility even when it rains. At night, 45,860 lumen of LED illuminating power ensures the best performance. And, the cab interior makes night work easier, as all operating elements are backlit and dim automatically when it gets dark.

### **Practically indispensable**

The Life Cab is filled with new ideas and new options. Several large bottles can be secured, as well as phones and documents. The cooled storage compartment can be supplemented with a large, removable cool box. When the comfort passenger seat is folded down, it's transformed into a table with clamps for papers. The driver station can be reversed quickly and easily and turned 180°, making it perfect for chopping operations.



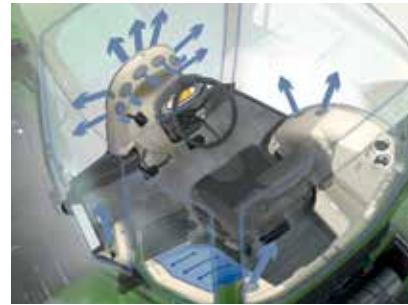
The complete controls for the tractor are integrated into the multi-function armrest, which is attached to the seat. These include: the Varioterminal 10.4-B multi-function joystick with keys for the third and fourth auxiliary control unit, Variotronic™ headland management, cruise control keys and engine speed; crossgate lever for the first and second auxiliary control unit; electronic position control (EPC) power-lift module for front and rear linkage, and PTO. The Varioterminal 10.4-B, with smartphone look and real-glass surface, delivers a brilliant image with 800 x 600 pixels and 16 million colors. You can control all the tractor and implement functions with the touchscreen or with keys. Also, it has two camera inputs, a quarter- and full-screen view and is backlit by LEDs in either day or night mode.



The Fendt VarioDoc™ brings your office on board, so all work data is available in the field in near-real time.



Practical for front-mounted implements, the new camera integrated in the hood captures the view to the lower links and transmits the image to the Varioterminal.



The high-capacity, automatic climate control with twin blowers and larger air nozzles keeps the Life Cab pleasantly cool, even at temperatures around 45° C.



When working in reverse-drive mode, all control elements can be operated just as comfortably as in front-drive mode. The entire driver station can turn 180° — and everything else in the cab remains where it is.

New paths for a higher yield: connected precision farming.



The Variotronic headland management saves all the procedures when performing a turning maneuver. Variotronic automatically triggers the sequences precisely at the right place.



You can control ISOBUS-capable implements via Variotronic implement control directly via the joystick or Varioterminal.

The operating elements on the right-hand armrest — the four-in-one Varioterminal, multi-function joystick, crossgate lever, EPC, power-lift module, valve operation and membrane keypad — have a well-balanced overall design. Together they form an ergonomic command center where everything is under control.

## FENDT 1000 VARIO NEW VARIOTRONICS

### Fendt Variotronic like never before

The Fendt 1000 Vario is equipped with cutting-edge software that integrates each working step into an overall operating masterpiece. From the new open-system guidance system to the variable application rate, Fendt Variotronic solutions cover your entire work day — and night. And the focus is always on ease-of-operation and the high reliability of all systems.

### The new Fendt VarioGuide guidance system

With the new version of Fendt VarioGuide, you can drive reliably and accurately without actively steering, even in difficult reception conditions. Choose the NovAtel™ or Trimble® GNSS receiver. A number of correction signals are supported, depending on the receiver. For example, EGNOS/WAAS, RangePoint® RTX, Centerpoint® RTX and NTRIP are all supported. Existing Trimble RTK infrastructures can continue to be used. Even without a correction signal, VarioGuide works reliably for up to 20 minutes with RTK accuracy via Trimble xFill™ technology.

### SectionControl guarantees there is no overlapping

With fully automatic SectionControl, you can plant seeds, spread fertilizer or apply pesticides precisely in the right spot. This helps prevent double treatment and distances are automatically maintained. With the aid of the SectionControl assistant, you can set the correction values for each implement quickly and easily. Switch-on and switch-off points are set precisely in the beginning, resulting in the most economical application.

### Documentation and variable application rate with VarioDoc and VRC

The new solution for precision farming, variable rate control (VRC), is now available in combination with VarioDoc Pro. The need for operating inputs, such as seeds, fertilizer or pesticides, is shown on application maps, which can be called up during operation and executed automatically. The big advantage: operating inputs can be defined and planned in the field database, then applied with the utmost precision.



The data from the field is saved in the field database by VarioDoc. VarioDoc Pro records GPS position data and transfers data in near-real time.

The factor behind better grip.



Front axle with self-leveling independent  
wheel suspension and single-wheel brake.

## FENDT VARIODRIVE — THE DRIVE

### VarioDrive drivetrain — a leader in power distribution

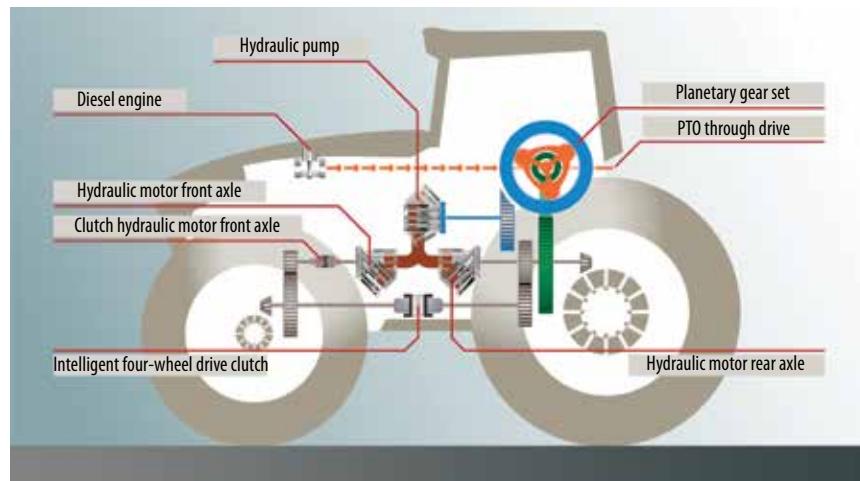
The new driveline design enables ideal torque distribution on the front and rear wheels for optimal traction and pulling power. The drive unit is based on a hydraulic pump and two hydraulic motors. The first hydraulic motor supplies the rear axle with torque via hydrostatic-mechanical power splitting, continuously from 0 to 31 mph (50 km/h). The second hydraulic motor serves the front axle. Through feedback to the rear axle, from the ground or through the intelligently controlled four-wheel clutch, the front axle drive becomes part of the hydrostatic-mechanical power splitting.

### Power distribution through Fendt Torque Distribution

The flexible torque distribution of the variable four-wheel drive is achieved through a T-piece, located between the hydraulic pump and hydraulic motors for the front and rear axles. It acts as a hydrostatic differential between the axles and permits the oil flow between the pump and hydraulic motor to be adjusted freely. As a result, there is no tension. If needed, torque can be automatically shifted from one axle to the other via the intelligently controlled four-wheel clutch. Frictional loss and wear are reduced significantly.

### Front axle suspension

The Fendt 1000 Vario's self-leveling independent wheel suspension provides optimal front-wheel ground contact in all conditions. This enables a 7% higher transfer of traction than an axle without suspension, since the wheels adapt themselves ideally to the ground. This prevents inefficient power-hopping. Ride comfort is ideal at transport speeds up to 31 mph (50 km/h), and the long suspension maintains ride comfort independent of the load. Operators can travel through the suspension manually, for example, when picking up weight without a front lift with the comfort ballast pick-up feature. As a further benefit, the single wheel suspension is maintenance-free.



### Fendt VarioGrip™ for the perfect tire pressure

Due to the large group 50 tire capability, the rear tires on the Fendt 1000 Vario have a very large contact area, greatly boosting traction and pulling power. This always includes having the right tire pressure. With the integrated tire pressure regulation system, Fendt VarioGrip, the tire pressure can be adjusted with a click in the Varioterminal. Air is filled into or released from the tires while driving. Compared to operations with unadjusted tire pressures, you can achieve up to 10% more pulling power and cover up to 8% more area with up to 8% lower fuel consumption\*.

\*Test results South Westphalia University of Applied Sciences, Agriculture Soest



The perfect integral tire pressure regulation system, VarioGrip controls tire pressures from 8 to 36 psi within minutes. The optimal tire pressure saves fuel, protects the soil and increases traction.

The keys to performance.



Hand brake assistant in automatic position:  
The hand brake is automatically activated.

## ADDED VALUE THROUGH ADDITIONAL SYSTEMS

The most impressive feature of Fendt-designed systems is that you don't even notice them, but they add performance and make all operations easier.

### Well-balanced and efficient Tractor Management System (TMS)

Changing operation frequently is always on the agenda. Whether for transport or heavy draft work, the Fendt 1000 Vario has been designed for ideal performance, low fuel consumption and reduced wear on components. The TMS automatically adjusts to the ideal engine speed and transmission settings, independent of the speed. So the tractor is always moving in the most efficient manner, thereby saving fuel.

Features like the automatic maximum output control 2.0 further reduce fuel consumption since the engine is always running in the ideal speed range. The load limit, which is different for each operation, is regulated automatically. The limit no longer needs to be entered manually and the engine and transmission are always perfectly coordinated.

### Fendt Stability Control (FSC)

Performance matters in the field or on the road. FSC provides additional stability and steering precision when driving above 12.4 mph (20 km/h) on the road. When the driving speed drops below 9.3 mph (15 km/h), compensation between the left and right side is possible again, which guarantees the best ground contact. When coming out of a curve, the Fendt Reaction steering system automatically switches to ensure ideal ground contact. The VarioActive™ superimposed steering system facilitates steering. A single turn of the steering wheel is enough for a fullsteering angle.

### Braking assistance

Here's a highlight you would not want to do without: in the automatic setting, the new handbrake assistant automatically activates the handbrake when you climb out of the cab or turn off the engine. The assistant also automatically deactivates the handbrake when starting off. If you stop and take your foot off the brake pedal, the tractor remains fixed, even on slopes. The deceleration assistant automatically actuates the brake lights when decelerating more than 3.2 ft/s ( $1 \text{ m/s}^2$ ), even before actively braking, providing additional performance and an early warning for traffic following the tractor.



Thanks to the TMS and automatic maximum output control 2.0, the tractor optimally adapts the engine speed to the driving speed.

With VarioActive, you go through the full steering angle with just one turn of the steering wheel.





## Connectivity that adds more value.

### AGCOMMAND® AND FUSE® CONNECTED SERVICES

The AgCommand® telemetry system allows you to plan and control your fleet for optimal utilization. And with Fuse® Connected Services, you can increase the operating time of your machines through remote access service and maintenance offerings.

#### Efficient from tractor to fleet

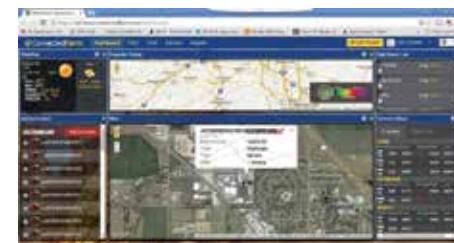
When machines are connected with each other, the operating strength of your fleet is optimized. Fuse interfaces and software solutions let you react immediately to individual machine data, regardless of its location. This way you can increase the reaction and operating times of your entire fleet at the push of a button. Control additional services via remote access to achieve even higher machine utilization.

#### AgCommand fleet management

AgCommand is the AGCO® telemetry system. It transfers important machine data in near real-time for active fleet management. Critical data includes fuel consumption, speed, operating hour counter, engine speed, torque requirement, PTO speed and outside temperature. Based on this data, the settings can be adjusted and optimized during operation and further measures can be planned in advance.

#### The new value of connection — Fuse Connected Services

The Fendt 1000 Vario opens a new world of performance and operating times. It sets the starting point for new connection technologies, to increase efficiency and machine availability. United under the name Fuse Connected Services, the machine management, technology, services, diagnostics and consultation complement each other to optimize operations.



With Fuse Connected Services, you can look up all consultation and service features offered by your Fendt dealer directly over the Varioterminal on your tractor, helping increase uptime during operation. [agctechnologies.com](http://agctechnologies.com)

# The service of the future.

## FENDT VALUE ADDED SERVICES HAVE ARRIVED

Economy. Reliability. And retention of value you can count on.

### A sure calculation

The added value of an investment really becomes apparent when you look at the relationship between yield and total operating costs. Transparency, planning reliability and a higher yield count here. That's why the unbeatable performance of the Fendt 1000 Vario is accompanied by a comprehensive service package:

- Fendt Connected Services guarantees a sustainable return on investment
- Tailored financing plans
- Calculable operating costs through economic consumption, increased uptime and better performance
- Cost reduction through longer maintenance intervals of up to 2,000 operating hours

### Quality for maximum reliability

At Fendt, we are proud of the durability and longevity of our machines. Your tractor's retention of value begins with the use of the best components, first-class workmanship and strict quality testing. Because we trust our high standards, we offer Fendt Gold Star Customer Care.

### Fendt Gold Star Customer Care

For more than eight decades, farmers have known that a Fendt tractor purchase includes more than a rugged, efficient tractor. The Gold Star Customer Care plan keeps your overall costs firmly under control, which translates into more value and more uptime. You get:

- **Full warranty protection** — As a Fendt tractor owner, you are assured of full warranty protection, with no deductible, for 36 months or 3,000 hours, whichever comes first.
- **Full maintenance coverage** — For the first 36 months or 3,000 hours, Fendt will cover all scheduled maintenance, including the cost of oil, filters, belts and maintenance items.
- **Genuine AGCO parts** — Your Fendt dealer only installs original parts. Original AGCO parts are tailored to your tractor, so that your Fendt remains 100% Fendt.
- **AGCO parts advantage** — Fendt has the best parts warranty in the industry: one year on parts and six months on labor when parts are dealer-installed.
- **Uptime loaner program** — The customer will be provided a comparable Fendt tractor if his own Fendt tractor cannot be repaired within 48 working hours. Working hours is defined as 12 working hours per day.



## FENDT 1000 VARIO

### Technical specifications.\*

	<b>Fendt 1000 Vario</b>		<b>1038</b>	<b>1042</b>	<b>1046</b>	<b>1050</b>			
<b>Engine</b>	Constant power ECE R24 (1,500 RPM to 1,700 RPM)	(kW/PS)	279/380	309/420	338/460	368/500			
	No. of cylinders / cooling			6 cylinder / water					
	Cylinder bore / stroke	mm		126/166					
	Displacement	L		12.4					
	Rated speed	RPM		1,700					
	Max. torque (1,450 RPM)	(ft. / lbs. / Nm)	1,379 / 1,870	1,512 / 2,050	1,645 / 2,230	1,770 / 2,400			
	Torque rise	%		17% based on 1,700 RPM					
	Diesel Tank capacity	(gal. / L)		211 (800)					
	DEF capacity	(gal. / L)		22/58					
	Oil change interval	Operating hours		500					
<b>Transmission / PTO</b>	Type / model		Stepless VarioDrive transmission /TA 400						
	Speed range forward / reverse	km/h	65 ft. / hr. to 31 MPH / (20 m/h to 50 km/h) 0.01 to 21 MPH / (0.02 to 33 km/h)						
	Rear PTO		1000 / 1000E						
<b>Hydraulics</b>	Type of control		Electrohydraulic power lift control (EPC) with shock load stabilizing and standard load compensation						
	Hydraulic pump capacity	(GPM / L / min)	1 pump: 43.6 / 165, 58 / 220 2 pumps: 113.5 / 430 (55.5 / 210 + 58 / 220)						
	Aux. control valves, max. rear / front		6 / 1						
	Flow volume control valves	(GPM / L / min)	High flow volume of 36.9 / 140 Std. Opt. 3. and 4. valve with 44.9 / 170						
	Max. lift capacity, rear linkage thru full lift range 24 in. behind hitch point	(lbs. / kg.)	16,890 / 7,661						
	Max. lift capacity, front linkage	(lbs. / kg.)	12,553 / 5,693						
<b>Brakes</b>	Four-wheel braking system		Dual-circuit four-wheel braking system with 4WD, with / without steering brake						
<b>Weights / dimensions</b>	Unladen weight (basic tractor – tanks full, without driver)*	(lbs. / kg.)	30,666 lbs. (13,910 kg.)						
	Max. perm. overall weight	(lbs. / kg.)	50,706 lbs. (23,000 kg.)						
	Wheelbase	(in. / mm)	130 / 3,300						
	Overall length with standard tires with comfort ballast pick-up and rear linkage horizontal	(in. / mm)	242 / 6,157						
	Overall height comfort cab w/o VarioGuide	(in. / mm)	140.5 / 3,570						

\* Specifications are manufacturer's estimates at time of publication and are subject to change without prior notification.



## EQUIPMENT VARIANTS

Fendt 1000 Vario. So individual. Such a masterpiece.

	Standard and Optional Equipment			
	standard: <input checked="" type="checkbox"/>	optional: <input type="checkbox"/>	PowerPlus	ProFIPlus
<b>Vario controls</b>				
Speed control lever with cruise control and engine speed memory, Automated functions	<input checked="" type="checkbox"/>			
Multi function joystick with cruise control, engine speed memory, automatic modes, controls for hydraulics		<input checked="" type="checkbox"/>		
Varioterminal 7-B with touch and key control	<input checked="" type="checkbox"/>			
Varioterminal 10.4-B with touchscreen and key control	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Variotronic implement control for ISOBUS	<input checked="" type="checkbox"/>			<input type="checkbox"/>
SectionControl		<input type="checkbox"/>		
Variotronic <sup>®</sup> – headland management system	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
VarioTMS – Tractor Management System	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
VarioDoc – documentation system		<input checked="" type="checkbox"/>		
VarioDoc Pro – documentation system / AgCommand telemetry system		<input type="checkbox"/>		
VarioGuide automated steering system	<input type="checkbox"/>	<input type="checkbox"/>		
Electronic immobiliser	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
VarioActive steering		<input checked="" type="checkbox"/>		
<b>Engine</b>				
Automatic maximum output control	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Reversible fan	<input type="checkbox"/>	<input type="checkbox"/>		
Fuel pre-filter	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Heated fuel prefilter	<input type="checkbox"/>	<input type="checkbox"/>		
Preheater package (engine, transmission, hydraulic oil)	<input type="checkbox"/>	<input type="checkbox"/>		
Exhaust brake	<input type="checkbox"/>	<input type="checkbox"/>		
<b>Transmission</b>				
Shuttle function, stop-and-go function	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Acoustic signal when reversing	<input type="checkbox"/>	<input type="checkbox"/>		
<b>Chassis</b>				
Single wheel suspension front axle	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Pneumatic high-speed dual-circuit braking system 1 pedal	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Pneumatic high-speed dual-circuit braking system 2 pedals and steering clutch brake	<input type="checkbox"/>	<input type="checkbox"/>		
Handbrake pneumatic	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Handbrake electro-pneumatic (handbrake assistant)	<input type="checkbox"/>	<input type="checkbox"/>		
Fendt Stability Control (FSC)	<input type="checkbox"/>	<input type="checkbox"/>		
Compressed air system	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
Automatic trailer steering axle lock	<input type="checkbox"/>	<input type="checkbox"/>		
VarioGrip tyre pressure regulation system	<input type="checkbox"/>	<input type="checkbox"/>		
Grip assistant	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
<b>Cab</b>				
Mechanical cab suspension			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Pneumatic cab suspension, 4-point with integral self-levelling			<input type="checkbox"/>	<input type="checkbox"/>
Fendt Reaction steering system			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Reversing driver station for 2-way operation			<input type="checkbox"/>	<input type="checkbox"/>
Height and tilt-adjustable steering column			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Super comfort seat, air sprung			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Super comfort seat, Evolution dynamic /CA			<input type="checkbox"/>	<input type="checkbox"/>
Dual motion comfort seat, Evolution dynamic /DL			<input type="checkbox"/>	<input type="checkbox"/>
Dual motion comfort seat, Evolution act/DL/leather			<input type="checkbox"/>	<input type="checkbox"/>
Comfort passenger seat			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Cab entrance steps wide			<input type="checkbox"/>	<input type="checkbox"/>
Radio mounting kit with two stereo speakers			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Radio CD MP3 hands-free speaking system			<input type="checkbox"/>	<input type="checkbox"/>
Integrated automatic climate control			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Active charcoal filter			<input type="checkbox"/>	<input type="checkbox"/>
Front windscreen laminated safety glass, heated			<input type="checkbox"/>	<input type="checkbox"/>
300° windscreen wiper front			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Rear window wash / wipe			<input type="checkbox"/>	<input type="checkbox"/>
Roller shade rear			<input type="checkbox"/>	<input type="checkbox"/>
Side window wash / wipe system right			<input type="checkbox"/>	<input type="checkbox"/>
Roller shade right			<input type="checkbox"/>	<input type="checkbox"/>
Ext. rearview mirror electrically adjustable			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Ext. rearview mirror, electrically adjustable + wide angle + position light			<input type="checkbox"/>	<input type="checkbox"/>
Interior rearview mirror			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Roof work lights, 2 roof rear			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Roof work lights, 2 roof rear LED			<input type="checkbox"/>	<input type="checkbox"/>
Roof work lights, 2 roof front 2 pairs			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Roof work lights, 2 roof front 2 pairs LED			<input type="checkbox"/>	<input type="checkbox"/>
Work lights A-pillar, rear mudguard			<input type="checkbox"/>	<input type="checkbox"/>
Work lights LED A-pillar, mudguard rear			<input type="checkbox"/>	<input type="checkbox"/>
Work lights A-pillar			<input type="checkbox"/>	<input type="checkbox"/>
Work lights LED A-pillar			<input type="checkbox"/>	<input type="checkbox"/>
LED headlamps with headlamp levelling			<input type="checkbox"/>	<input type="checkbox"/>
LED rear lights			<input type="checkbox"/>	<input type="checkbox"/>
Work lights bonnet top incl. daytime running lamps			<input type="checkbox"/>	<input type="checkbox"/>
Work lights bonnet top incl. daytime running lamps LED			<input type="checkbox"/>	<input type="checkbox"/>
Third brake light			<input type="checkbox"/>	<input type="checkbox"/>
Auxiliary lights front			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Bracket for auxiliary devices			<input type="checkbox"/>	<input type="checkbox"/>
Air-conditioned cool box			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>4WD</b>				
Rear / front differential with power shift PTOs			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Rear: Flange PTO 1000/1000E rpm/1,300 RPM			<input type="checkbox"/>	<input type="checkbox"/>
External controls for rear PTO			<input type="checkbox"/>	<input type="checkbox"/>
<b>Hydraulics</b>				
Load sensing system with axial piston pump (165 L/min)			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Axial piston displacement pump 220 L/min delivery capacity			<input type="checkbox"/>	<input type="checkbox"/>
Two axial piston pumps 430 L delivery capacity				<input type="checkbox"/>
Electrohydraulic power lift da (EPC), with external controls			<input type="checkbox"/>	<input type="checkbox"/>
Electrohydraulic linkage sa (EPC), with external controls			<input type="checkbox"/>	<input type="checkbox"/>
Radar-activated wheel slip control			<input type="checkbox"/>	<input type="checkbox"/>
Upper link QC hydraulic			<input type="checkbox"/>	<input type="checkbox"/>
Lower link hooks Cat. 4			<input type="checkbox"/>	<input type="checkbox"/>
External hydraulic connection (load sensing)			<input type="checkbox"/>	<input type="checkbox"/>
Hydraulic valve actuation crossgate lever, multi function joystick				<input checked="" type="checkbox"/>
External control for hydraulic control unit at rear			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Double connect-under-pressure lever rear couplings			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Easy ballast mounting for front weights			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Front linkage sa with external controls			<input type="checkbox"/>	<input type="checkbox"/>
Comfort front linkage da, with position control, external controls			<input type="checkbox"/>	<input type="checkbox"/>
<b>Body</b>				
Manual hitch			<input type="checkbox"/>	<input type="checkbox"/>
Auto hitch with remote control, rear			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Ball-type coupling, height adjustable			<input type="checkbox"/>	<input type="checkbox"/>
Ball coupling incl. frame			<input type="checkbox"/>	<input type="checkbox"/>
Forced steering (one or two-sided)			<input type="checkbox"/>	<input type="checkbox"/>
Hitch			<input type="checkbox"/>	<input type="checkbox"/>
Swinging drawbar			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Piton-fix			<input type="checkbox"/>	<input type="checkbox"/>
Compressed air Duomatic coupling			<input type="checkbox"/>	<input type="checkbox"/>
Rotating beacon			<input type="checkbox"/>	<input type="checkbox"/>
Wide vehicle marker			<input type="checkbox"/>	<input type="checkbox"/>
Pivoting front wheel mudguard			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Twin tyres rear			<input type="checkbox"/>	<input type="checkbox"/>
Twin tyres front			<input type="checkbox"/>	<input type="checkbox"/>
Front weights, various sizes			<input type="checkbox"/>	<input type="checkbox"/>
Wheel weights, rear wheels			<input type="checkbox"/>	<input type="checkbox"/>
Removable toolbox			<input type="checkbox"/>	<input type="checkbox"/>

# FENDT



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**FENDT**

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