FENDT

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FENDT® 1000 VARIO SERIES | 396 TO 517 HP

One purpose. All purpose.

A bold new tractor for those who are always growing.

Fendt® 1000 Vario Series at a glance

You run a business, but not just any business, you run one of the most interesting businesses in the world—a farm. So you know that success is about calculating your risk, increasing your ROI, and implementing solutions that that can take your operation to a bold new level. The all new Fendt 1000 Series does just that. As the largest fixed frame tractor in the world, this machine allows you to go from row crop to heavy draft load work at unmatched efficiencies. It's time to grow bold with the Fendt 1000 series.

Quick Specs and Features

Base weight: 30,800 lbs. (13,970 kg)	Max ballast weight: 52,000 lbs. (23,586 kg)
Constant engine power ECE R120: 396–517 HP	Rear power lift capacity: up to 21,500 lbs. (9,752 kg)
PTO power: 354–459 HP	Front power lift capacity: up to 12,310 lbs. (5,584 kg)
Engine: Tier 4 Final, 6-cylinder, 12.4-liter MAN engine	VarioDrive CVT
Maximum speed: 33 mph (50 km/h)	Optional Fendt VarioGrip™ tire pressure regulation system

Ideal for:

- Planting
- Tillage
- Row crop applications
- Large hay tools
- Grain cart work
- Transport
- Pretty much everything!

FENDT
TRELLEBORG

Fendt Spotlights—
10 Fendt solutions that make the difference.

- **Fendt iD™ low engine speed concept** *(page 8)*
  - 650–1,700 engine RPMs
  - Exceptionally low fuel consumption
  - Higher torque generated at lower engine RPMs
  - Smooth, quiet operation

- **Fendt VarioDrive CVT** *(page 9)*
  - Seamless operation from 65 ft. per/hr to 33 mph
  - Independent drive of front and rear axle to reduce slip
  - No manual all-wheel drive selection necessary
  - Optimum engine/transmission matching in conjunction with Fendt iD
  - low-speed concept
  - No range changes

- **Dedicated and adaptable Hydraulics** *(page 12)*
  - Dual pump/circuit system—up to 113 GPM
  - Fully dedicated to auxiliary functions
  - Optional front 3pt. and hydraulics
  - Assignable and customizable from the cab

- **VarioGrip** *(page 10)*
  - Optional integrated tire pressure control system
  - Reduces compaction, tire wear, and improves ride quality

- **Unparalleled Ride Quality** *(page 14)*
  - Racecar influenced, self-leveling front-axle suspension
  - Pneumatic cab suspension

- **FendtONE™** *(page 6)*
  - Dual 12” displays (2nd retractable display is optional)
  - Multi-function joystick and ergonomic armrest design
  - Completely customizable

- **Fendt Stability Control** *(page 11)*
  - Automatically reduces side lean at speeds above 12 mph
  - Actively suppresses body roll when cornering
  - Increased safety and improved ride comfort

- **Self-cleaning air filter (automatic dust extraction)** *(page 8)*
  - Air filter is blown out while driving by means of short air blasts
  - Reduced maintenance

- **Optional Reverse Driving Station** *(page 15)*
  - Quick 180° rotation of the entire operator's platform thanks to:
    - Pneumatically assisted rotation device
    - Optimum view of implements in the rear

- **Gold Star Customer Care** *(page 18)*
  - 3 year or 3,000 hour full machine warranty PLUS all scheduled maintenance and a loaner guarantee

Customize. Organize. Optimize.

FendtONE is much more than just a cab. It allows you to completely customize your settings, data management, and operating environment to suit your needs.

- Incorporates up to three display options:
  - Standard 10" digital dashboard
  - Standard 12" terminal on the armrest
  - Optional secondary 12" terminal that stows into the roof liner
- Customizable terminal layout
- Redesigned multi-function joystick that is highly customizable
- Flexible key assignment with Individual Operation Manager (IOM)
- Color-coded controls for similar functions
- Infotainment: hands-free Bluetooth® and audio control system integrated in terminals
- Integrated NovAtel or Trimble® receivers

You can easily manage the air conditioning and infotainment with two dedicated dials.

As well as the familiar clover leaf operation, the new multifunction joystick includes two controls for proportional valve control as well as four freely assignable white keypads.

Use the central pushdial to decide what to display on the Fendt 900 Vario. This includes four quick access keys for Back, Launchpad, Overview, Individual Operation Manager (IOM) and switching between terminal and dashboard.

This is where you can easily manage the usual transmission and driving functions with pushbuttons: including two engine speed programs, two cruise control settings and a new dial-controlled active cruise control setting.

Here are buttons for rear and front 3 point control, and in the middle the five freely assignable white buttons.

In the middle operating level, from the left foot pedal max, we have the following: hand throttle, speed spread, adjustment SCVs 1 through 4 (freely assignable), PTO actuation as well as front power lifts and rear power lifts with depth adjustment.

The 3L joystick offers sensitive control without you having to reach over two control valves. Complex implement functions can be controlled with the optional third and fourth hydraulic circuits. The 3rd and 4th functions are operated via the smaller, thumb joystick.

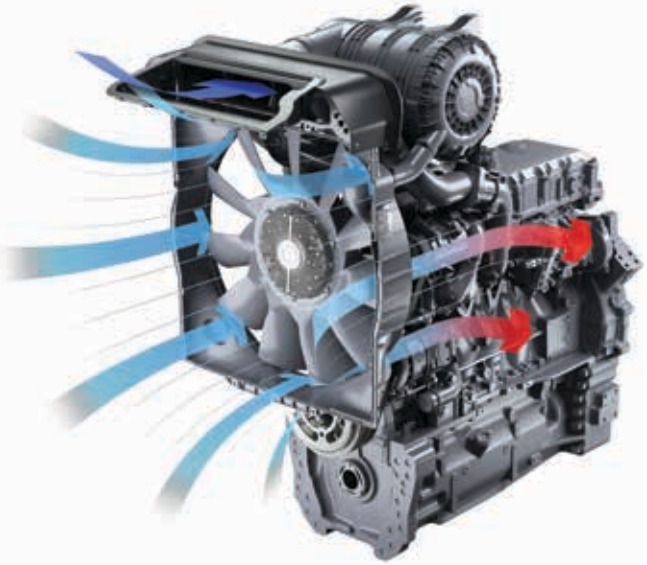
PTO Operation

The lower control level includes the LED display for each setting. The driver immediately sees whether buttons have been re-allocated by the color concept. By default, these are the hydraulic valves.

It's a numbers game.

Fendt iD Low Engine Speed Concept

The Fendt iD low engine speed concept allows you to do more of everything, while consuming less. With an RPM band of just 650–1,700 and peak torque achieved and sustained from 1,100–1,400 RPMs, you consume a lot less fuel, while covering more ground, more efficiently. Not to mention that the system also provides for an incredibly smooth and quiet operating experience and better longevity out of the engine.



The Concentric Air System (CAS) cooling concept with forced-draft high-performance fan cools all heat exchangers accordingly and further increases overall efficiency.

The all-new self-cleaning air filter administers quick blasts of air through the filter while operating to keep clean. This reduces maintenance and improves reliability.

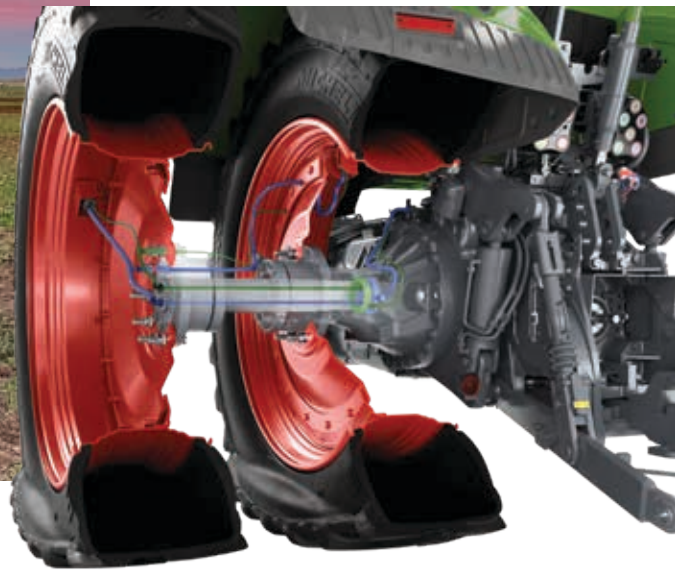
VarioDrive CVT

Seamless, smooth control from 65 ft. per hour to 33 mph, the Fendt VarioDrive CVT drives like nothing else you've experienced.

The innovative design of the transmission provides ideal torque distribution to front and rear wheels for optimal traction and tractive power. The drive train is based on a hydraulic pump and two hydro motors. The first hydro motor supplies the rear axle with uninterrupted torque via hydrostatic-mechanical power, splitting from 0 mph to 33 mph, and the second hydro motor powers the front axle. It's because of this innovative design that the system will automatically divert power between the axles for optimum pulling power and reduce slip.

Operate the transmission in either joystick or pedal modes to best suit your needs.

More grip, less slip.



An onboard air compressor supplies air lines that are integrated into the wheel assembly. All components are secure and covered to prevent damage.

You shouldn't need to sacrifice soil health for machine performance and with Fendt, you won't.

VarioGrip™ is an optional factory installed tire pressure control system that allows the operator to set and control tire pressure from the FendtONE displays. This reduces compaction while in the field, improves ride quality whether roading or in the field, and reduces tire wear.

Compared to working with unadjusted tire pressure, you can achieve up to 10% more pulling power and cover up to 8% more area with up to 8% lower fuel consumption.* VarioGrip is available for flange and bar axles, and with either single metric or dual tire configurations.

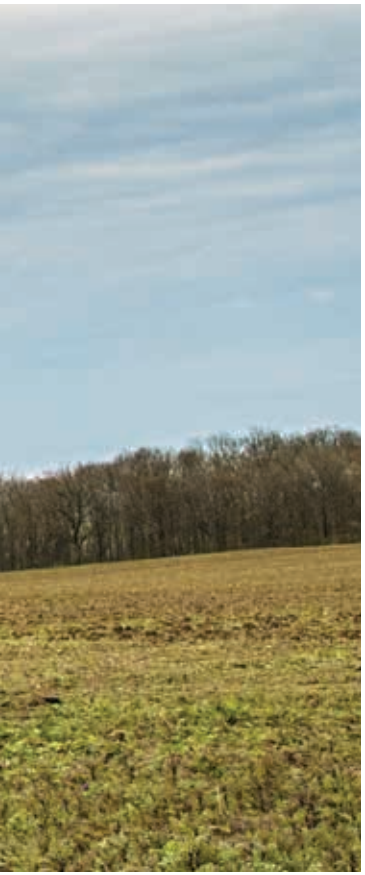
* Test results from South Westphalia University of Applied Sciences, Faculty of Agriculture, Soest.

Fendt Stability Control (FSC) takes steering precision, driving stability and braking safety to new levels. At speeds above 12.4 mph (20 km/h), FSC locks the front axle suspension cylinders and dampens side-to-side movement to ensure maximum stability in transport. When speeds drop below the FSC threshold, it automatically disengages to ensure maximum ground contact with all four tires.

To ensure maximum power to the ground, the simple-to-adjust front and rear flexible ballasting system lets you increase the tractor's weight from 26,200 lbs. to a maximum ballast weight of 42,000 lbs.

Take control of it all.

You'll never come up short with the Fendt hydraulic system. The optional dual pump, dual circuit hydraulics provide up to 113 GPM of on-demand dedicated hydraulic capacity. The hydraulic system is completely independent from other hydraulic consumers, such as transmission or steering functions. This ensures you have complete power and accuracy all the time and eliminates cross contamination.



Color coordinated hydraulic outlets allow you to reassign the remotes from the FendtONE displays in the cab. As a result, you won't need to hop out and re-plug hydraulic hoses if mistakenly plugged into another outlet. You can order up to 6 rear hydraulic valves plus power beyond.

Optional front 3-point and hydraulic remotes can be ordered from the factory, enabling greater adaptability to multiple applications.

A hard day's work never felt less hard.

There's a great ride and then there's a Fendt. That's because ride quality is paramount when spending months of the year and years of your life behind the wheel of a machine.

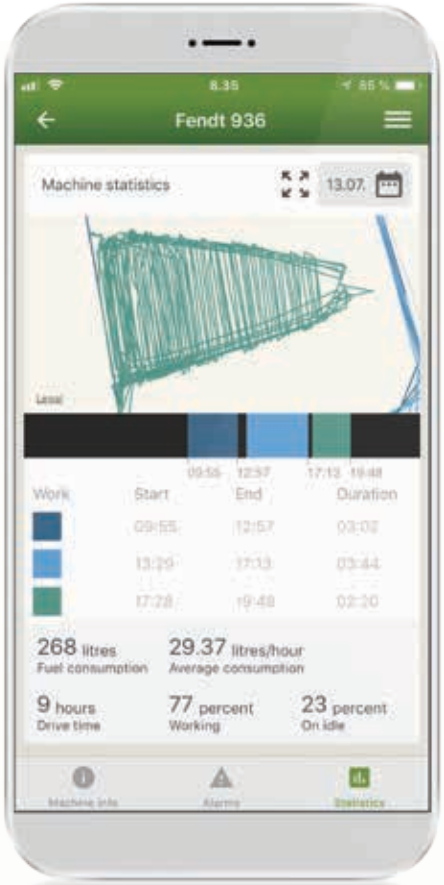
Racecar-influenced, self-leveling front-axle suspension with 7.8 inches of travel not only provides a better ride, but better tractive ability as well.

A three point pneumatic cab suspension system absorbs the vibrations and shocks of the machine for better ride quality.

Sink into the optional air-suspended, heated and cooled leather vented seat for ultimate ride quality.

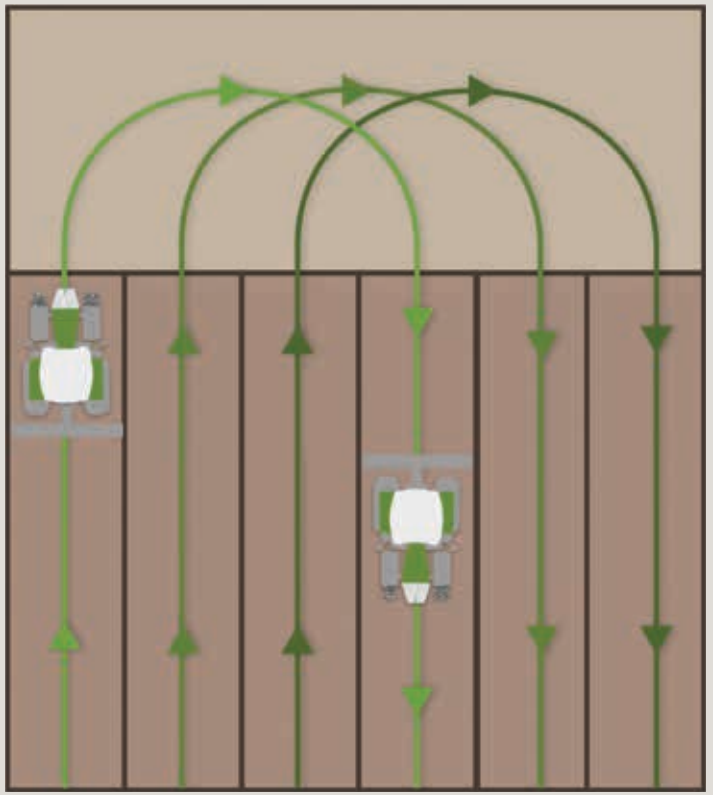
For applications that require a direct rear facing view, opt for the reversible driver's station. This innovative feature will pivot all cab elements 180 degrees for a direct rear view.

Intuitive, innovative, and informative.



Fendt Connect™ is like a control tower for your fleet, seamlessly linking your operators, your office and your dealer. Through one easy-to-use interface—on a smartphone, tablet or laptop—Fendt Connect provides signals that keep you connected to the field and to your dealer. It's robust data visualization that enables remote, real-time monitoring, decision-making and even diagnostics.

Select from either Trimble or NovAtel integrated receiver options and up to sub-inch accuracy. All guidance and mapping features are accomplished through the FendtONE displays.



Get ahead of the paperwork: Fendt TaskDoc

With the order-led documentation system Fendt TaskDoc®, your tractor collects all necessary data as you work. You can then transfer the data as a standardized file into a field map—either via a USB stick, or wirelessly over the mobile network.

Simple order management: Fendt Task Manager

With the basic agronomy package on your machine, you can create orders on the go or from the office in just a few clicks and send them wirelessly to the machine.

Headland management made easy with Fendt TI Headland

This smart assist is a real benefit for repeat processes, especially headlands. Our Fendt TI headland management system saves you up to 1,920 daily hand movements in 160 turns. Both manually at a standstill and while driving, you can record all the functions as a sequence and save them in the terminal. Later, all it takes is a touch of a button to activate the automated sequences when entering and coming out of the headland. Work without having to reposition. Five triggers (route, time, front power lift, rear power lift and manual) and 13 function groups help you control an impressive 74 functions. Shift smoothly between the individual sequence steps. Later, all it takes is a touch of a key to activate the automated sequences at the headland.

With Fendt TI Headland, in combination with Fendt Guide, position detection automatically initiates all recorded steps at the headland.

Pinpoint precision: Fendt SectionControl

SectionControl provides automated section control for ISOBUS implements. Fendt SectionControl supports up to 140 partial widths. The ISOBUS standard promises intuitive handling: The control screen automatically appears on the terminal when you connect the ISOBUS plug to the socket. All you need to do is activate a switch to start.

Integrate with any fleet.

Through Fuse® technologies, Fendt can tailor technology and data needs to your operation and integrate with your existing fleet.

It’s time for a warranty that lets you handle fuel and labor, while we handle everything else.

GOLD STAR
CUSTOMER CARE

Ever since Sylvester Fendt and his 17th century family of artisan clockmakers built an ironclad reputation for personally servicing and maintaining each clock they installed, we’ve understood that a great warranty isn’t a matter of profit, it’s one of pride. The Fendt Gold Star Maintenance, Service and Warranty Program is the best in the business. But our commitment isn’t just uptime all the time. It’s providing the kind of after-sale care that rewards you with exceptional resale value when you eventually trade in your tractor for a newer model.

The warranty
Three years or 3,000 hours, including all scheduled routine maintenance and all other repairs, as required

The parts
Fendt dealers use only genuine AGCO® parts, so your Fendt is always 100% Fendt. All parts are covered for one year, and all labor for six months, under the AGCO Parts Advantage warranty

The service
Fendt dealers and their certified technicians use only the highest-caliber diagnostic tools

The loaner
If your tractor can’t be repaired in 48 working hours* we’ll provide you a loaner tractor. We stand by this promise for three years or 3,000 hours

Two full 24 hour days

GOLD STAR+
CUSTOMER CARE

Gold Star+ (Optional)
For longer working periods, you can extend the standard Gold Star offering with Gold Star+. All the same benefits but for as long as five years or 5,000 hours.

Fendt 1000 Vario Series Specifications

	1038	1042	1046	1050
Engine				
Constant power ECE R24 (1,500 RPM to 1,700 RPM) (kW/PS)	291/396	320/435	350/476	380/517
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			
Transmission / PTO				
Type / model	Stepless VarioDrive transmission /TA 400			
Speed range forward / reverse km/h	65 ft. / hr. to 33 MPH / (20 m/h to 50 km/h) 0.01 to 21 MPH / (0.02 to 33 km/h)			
Rear PTO	1000 / 1000E			
Hydraulics				
Type of control	Electrohydraulic power lift conrol (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			
Brakes				
Four-wheel braking system	Dual-circuit four-wheel braking system with 4WD, with / without steering brake			
Weights / dimensions				
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.

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FENDT 1000 VARIO SERIES

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