

**FENDT**

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**FENDT**

**516 VARIO**

FENDT 500 VARIO SERIES

FENDT® 500 VARIO SERIES | 124 TO 163 HP  
Sized for Success.



# Quick specs and features.

## Specs

Base Weight lbs./kg	13,340/6,050
Rated Engine HP/kW	124/91-163/120
Engine	Deutz 4.04L
Max Ballast lbs./kg	23,148/10,500
Loader Payload lbs./kg	5,889/2,671
Max Speed MPH/KPH	33/50

- Vario® CVT Transmission
- FendtONE™ Operator's Station
- Cargo and CargoProfi Loaders
- Optional front 3-point and Hydraulics
- Front Axle Suspension





# Bigger isn't better, better is better.

Whether you're a grower that's serious about taking your operation to the next level, or a municipality looking to get more out of your machine, the Fendt® 500 Vario Series is the perfect all-around tractor that can be used year-around. With its incredible power to weight ratio, this tractor is a nimble, powerful tractor that is ideally suited for loader applications, light tillage work, baling and hay production, and snow blowing. The new FendtONE operator station gives you the ultimate in customization and convenience right at your fingertips. Because bigger isn't better, better is better.

# Fendt 500 Vario spotlights. Special. Better.

A Fendt 500 Vario is characterized by its thoughtful design, down to the last detail. This latest generation includes four models, from 124 to 163 rated HP. This overview shows the special Fendt solutions—our Fendt Spotlights—that make the difference and simply make your work better every day.

## 1. VisioPlus™ cab: perfect all-round view

The panoramic front windshield provides an unmatched view that's great for any application, but especially when using a loader.

## 2. FendtONE™ driver's workstation—intuitive operation

All control units are centralized on the dashboard and armrest with a multifunction joystick. Customize the entire workstation with freely assignable buttons. Option to upgrade to fully integrated 12" terminals on the armrest and in the roof liner.

## 3. Intelligence that Extends Beyond the Tractor

The optional CargoProfi loader takes loader operation and comfort to a whole new level with dampening suspension, memory settings, and an integrated scale feature.







#### 4. Fendt Guide auto-steering for unrivaled productivity

With SectionControl, VariableRateControl, Contour Assistant and TaskDoc®. Access the same innovative solutions across all your Fendt tractors.

#### 5. Superior Comfort and Control

Smart 3-in-1 system: self-leveling front cab suspension, optional mechanical or pneumatic suspension cab, active shock load stabilizing.

#### 6. Dedicated, Customized Hydraulic Power

Whether pulling a small planter or operating the loader, you have a 29 (42 GPM optional) dedicated pump to get the job done.

#### 7. Work from the Front

Optional front 3pt., PTO, and hydraulics. Assignable and customizable from the cab.

# The heart and soul of every Fendt: Vario CVT transmission

## Enjoy Vario added power—save up to 7% on time and 9% on diesel

The extra power of the Fendt Vario Series comes from always working at the perfect speed and optimum efficiency to achieve maximum area coverage. Independent publications show that this saves you up to 7% in working hours\* and up to 9% diesel\* compared to a powershift, depending on the type of farm. On a 250 acre forage operation, that's up to 46 working hours over six working days and 3,064 gallons of diesel\*\* per year saved!<sup>1</sup>

## Consistent, smooth ground speed control

From 65 ft./h to 33 MPH the efficiency, control, and comfort of the Vario CVT is unmatched. Even on slopes, you can come to a smooth standstill thanks to the active stop control—gently and without any jolting. This works great in applications such as round baling, eliminating the need to use the clutch pedal and brake. Shuttling can be conducted from either the multifunction joystick or via the left shuttle lever.

## Operate in joystick or pedal modes

Run the transmission the way you want. Joystick mode allows you to independently control ground speeds and engine speeds via the multifunction joystick—great for applications such as planting or tillage work. In pedal mode, the ground speed and engine speeds are independently controlled, but operated through the foot pedal, allowing it to function more like an automatic transmission in a car. This is ideal for loader work or grain cart work—quick starts and stops. This frees up a hand for joystick operation.

## The perfect duo: Tractor Management System (TMS) and automatic load limit 2.0

TMS controls the engine and transmission so that they are always effortlessly working at their best.

## Automatic rear PTO mode with lift height-dependent start-up control

For an implement-friendly take off, just preset the start-up control electro-hydraulically at the push of a button. Another benefit is the PTO automatic mode, which switches on and off depending on the lift height.

## Exclusive Fendt benefit: Rear PTO with external actuation and engine speed increase

Practical example of filling the manure tanker: Activate the PTO externally then increase the engine speed in the cab: now a thing of the past because the engine speed increases when you activate the PTO externally. The good news for you is you no longer have to keep getting in and out of the cab.



*Driving pedal or joystick control: The driving mode can be selected individually. The speed can be controlled with either the pedal or the joystick. Change drive direction either with the joystick or the reverse lever with built-in stop and go function.*



*Left hand shuttle for easy and smooth direction change.*



*With an optional 3L joystick, you are able to change tractor direction with the simple push of a button. This allows you to conveniently shuttle the tractor direction, while using the loader joystick, with limited hand movements from the controls.*



**Superior productivity with Vario added power.**

- *Achieve the perfect working speed every time, even in changing conditions*
- *TMS—perfect engine/transmission management with automatic load limit 2.0*
- *Smooth reversing and speed matching*
- *33 MPH/50 KPH at a quiet, fuel-saving 1,550 rpm*
- *Time savings of up to 7% and up to 9% less fuel compared to shift-gear designs*



# Don't let its size fool you.

The Fendt 500 Vario's dynamic, high-torque 4-cylinder engine impresses with its exceptionally low fuel consumption. The Tier 4 Final engine technology minimizes DEF consumption without the need for exhaust filter maintenance or regeneration.





## Features

- Deutz (TCD 4.1 L4)—4.04 liter capacity, 4 cylinders, 4 valve technology
- Final speed at reduced engine speed (1,700 rpm at 33MPH or 1,400 rpm at 25 MPH)
- High torque increase (up to 36%)
- Pneumatically controlled wastegate turbocharger without engine brake (for all models)
- Fuel prefilter with thermostatic valve
- Hood lock, can only be unlocked with vehicle key



## Emission control with passive DPF, DOC and SCR

The SCR exhaust technology together with the passive diesel particulate filter (DPF) proves to be particularly fuel-saving because the DPF does not require additional diesel injection during regeneration. The additional injection of DEF reduces nitrogen oxides to a minimum. Combined with a diesel oxidation catalyst (DOC), emissions are reduced effectively and the tractor complies with the latest Tier 4 Final emissions standards.



# Because details make all the difference.

## Superior driving and working comfort in a more compact design

The smart 3-in-1 system guarantees maximum ride comfort and ease-of-use: self-leveling front axle suspension, optional pneumatic cab suspension and active shock load stabilizing. This is combined with the exclusive Fendt Reaction steering, which enables sensitive and precise control and has excellent responses.

## Front axle suspension—up to 7% more area coverage and superior comfort

The self-leveling front axle suspension with 3.9 inches of suspension travel guarantees optimum traction and increases your area coverage by up to 7%. The ever powerful Vario drive also delivers excellent comfort and stability, even on hillsides.

## Self-leveling front axle suspension with full control

The integral automatic self-leveling with position sensor guarantees constant suspension comfort independent of load. The suspension can be completely deactivated at the touch of a button for any tasks that require particular accuracy and precision, e.g. loading work.

## Safe driving, even with high payloads

The Fendt 500 Vario is based on a robust cast half-frame, which is designed for a permissible overall weight of 23,148 lbs. and a high payload of 5,889 lbs. The space-saving half-frame design creates the space required for the suspension with longitudinal arms, which provides especially high ride comfort.

## Smart 4WD and automatic differential lock

The automatic steering and speed-dependent system for 4WD and the rear multi-disk differential lock is a huge help on the headland. Depending on the requirements, both systems are switched on or off based on steering angle or speed. The result is ultimate tractive power with full maneuverability.







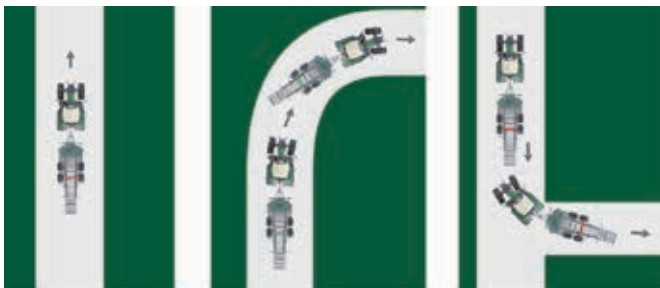
**Incredibly Tight Turning**

*The innovative half-frame design creates more space for an increased turning radius.*



**Self-leveling front axle suspension for greater area coverage and traction**

*The self-leveling, lockable front axle suspension is built as a vertical swingarm with 3.9 inches of suspension travel. This design combines smooth running with optimum traction. An integrated position sensor, together with the self-leveling, ensures permanent traction and consistent driving comfort.*



*Automatic steering axle lock: This assist system unlocks the trailer's self-steering axle at a predefined speed. On straight stretches, the locked self-steering axle ensures stable handling. Operators do not need to lock the self-steering axle manually outside of the preselected speed range or when reversing.*



*At the headland or during front loading work, you benefit from Fendt Reaction steering, allowing you to achieve maximum turning radius with only one turn of the steering wheel.*

# Your favorite place with a wide view.



*Panoramic front window with 77° vision for a full view upwards and over the wheel fenders.*



*Optional right hand door opening.*

## **VisioPlus™ cab: perfect all-round view**

The Fendt VisioPlus cab is a true wonder of visibility and space, with a 77° panoramic view. The windshield arches into the roof without an obstructive cross bar, giving you a continuous view of the extended front loader.

## **Open or closed?**

You can have a door on the right-hand side too, for even more flexible entering and exiting. The advantages are that it's easier to clean the vehicle and quicker to hitch/unhitch the front loader. If you prefer a front window that opens, the Fendt 500 Vario Series offers one with a split window pane.

## **Optional pneumatic cab suspension**

A perfectly fine-tuned cab suspension is key to safe and easy driving and working. The standard mechanical cab suspension effectively minimizes vibrations and shocks. The optional pneumatic cab suspension included in the Profi and Profi+ packages features a self-leveling function at the rear for even suspension.

## **Unique Fendt crossover lighting for best illumination**

The outside front work lights effectively prevent shadows. The secret lies in the unique Fendt crossover design of the front work lights. This successfully avoids glare from the hood and drop shadows, giving you a particularly broad field of light.

## **Pure ergonomics: multifunction joystick and crossgate lever**

The multifunction joystick has a total of 16 buttons as well as 2 proportional buttons. 13 of these can be freely assigned. This puts virtually all commonly used controls right at your fingertips.

## **Armrest control panel with color coded controls**

Here you will find all functional groups in one place and functional groups assigned by color. There are also five freely assignable buttons so you can customize the controls.





### Settings and overview in the dashboard

Shown here is the main digital dashboard where you can easily configure the main function groups. The newly designed digital dashboard includes all key machine information including road speed, engine speed, all fluid levels, and other operational elements.

### Infotainment bundle with 4.1 sound system



Four high-end speakers and a subwoofer deliver superior sound quality in the VisioPlus cab. Enjoy playback from your smartphone via USB, AUX-IN and Bluetooth. FM/AM/HD and two antennas with permanent channel search also ensure uninterrupted radio reception. Make phone calls in your Fendt 500 Vario Series with a fantastic quality hands-free kit. Eight microphones installed in the roof liner mean your hands are free and the acoustics are perfect.

# More productive than a corner office.



## Retractable roof terminal:

*The optional 12" roof terminal on the right is linked to all the other terminals. You can shift the content so it works for you ergonomically. You can also partially push this terminal into the roof for a better overview on the road, so you can still use 50% of the display area for main views over three sections.*



## New 12" displays—more functions and display area

Depending on the equipment variant, the Fendt 500 Vario Series now features the 12" terminal, which includes all the guide-assist systems, such as Contour Assistant, SectionControl and VariableRateControl. The ever-increasing number of terminal applications means you need more display room in the tractor. Together with the new operating philosophy, the new Fendt 500 Vario Series features an optional second 12" terminal in the roof on the right-hand side. Up to 6 freely configurable screens are shown on the displays.



## Crossgate lever and 3L joystick

There is a crossgate lever or 3L joystick to control the 3rd and 4th hydraulic control units as well as the front loader, depending on the configuration.

The crossgate lever is only available with the Power version.

With the 3L joystick, you can control the front loaders Fendt Cargo and Fendt CargoProfi, including their special functions.





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 500 Vario Series. 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 the control buttons for the all-wheel drive, differential locks on the left, power-lift settings on the right and in the middle the five freely assignable white buttons.

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. These are activated using the small thumb lever on the joystick.

In the middle operating level, from the left engine throttle, we have the following: engine hand throttle, foot pedal max speed, speed spread, adjustment SCVs 1 and 2 (freely assignable), PTO actuation as well as front power lifts and rear power lifts with depth adjustment.

PTO Operation

Five white buttons ready for you to assign: You have the option to freely assign functions to specific controls. Never before has the workplace seen this level of individualization for different operators.

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.



# One size doesn't need to fit all.



The Fendt 500 is available in North America in three different packages. This ensures that you can gain all the best performance and innovation from Fendt, tailored for your needs. The table to the right details the innovations included in each of the three packages offered today.

## POWER



### Power Version

- Crossgate lever
- No hydraulic fingertip controls

## PROFI



### Profi Version

- 3L joystick
- Hydraulic fingertip controls
- 12" terminal

## PROFI+



### Profi+ Version

- 3L joystick
- Hydraulic fingertip controls
- 12" terminal
- Fendt Guide

*The images to the right represent the cab control configurations for the three different cab packages.*



# Cab & Technology Packages

## Power—innovations

Efficient Tier 4 Final emissions technology with SCR, DOC, and a DPF without active regeneration
Visctronic fan—up to 1.4% fuel savings compared to conventional fans
Up to 33 KPH at 1,550 RPM
Adjustable multifunction armrest with controls on the driver's seat
10" central digital dashboard; pushdial, 4 quick access keys
2-way multifunction joystick with proportional hydraulic control, cruise control adjustment on pushdial
Armrest keypad—keys assigned with flexible color coding; 5 freely assignable keys (IOM)
Control panel for front + rear power lift with proportional control
Up to four rear hydraulic remotes
Self-leveling front axle suspension, lockable
Up to 7% improved traction and increased area coverage
4WD and automatic differential lock steering angle and speed-led
FendtONE – Driver's workstation—Connect tractor controls with planning tasks from the office, all on the terminal

## Profi—innovations



12" terminal on armrest, with touch and pushdial control
Second 12" terminal, optional in right side of roof liner, retracts half way
Infotainment, 4.1 sound system—AM/FM/DAB/Bluetooth®, USB, AUX—hands-free speaking system, superior audio quality
3L joystick

## Profi+—innovations



Fendt Guide tracking is the same from Fendt 300 Vario to 1000 Vario—end-to-end functionality
Automated steering module—with tractor preparation and Fendt Guide for more productivity
Contour Assistant with Single Track / Contour Segment control
Agronomy module: create and report jobs with TaskDoc Documentation and Task Manager control
Machine control module: simple control of ISOBUS attachments via ISO 11783 interface
Telemetry module: Fendt Connect: best analysis and fleet management

# Perfect loading combination.



## Loader work never looked so good

The front windshield on the cab curves up into the roof for an unobstructed view of the front loader. The integrated curvature means any material just slides off.

## Three front loader versions—Compact to Profi

The Cargo front loader is available in four versions for the 500 Vario Series: Cargo 4X75, 4X80, 4X80XL and the CargoProfi 4X80.

## Integrated Cargo dampening system

Gas pressure reservoirs absorb vibrations and shock loads so they are not transmitted to the tractor. This saves wear and tear on the tractor and ensures a long service life. The optional integrated dampening system together with front axle and cab suspension ensures superior driving comfort and makes front-loader work a real pleasure.

## Perfect ergonomics: turn and steer on the left, load on the right.

The front loader controls are perfectly integrated into the overall design of the right armrest. Your left hand selects the driving direction while your right hand operates the crossgate lever for the front loader. Depending on the configuration, you can choose between a crossgate lever or the 3L joystick as the controller for the front loader. You can control the speed with your foot. With the reverser, you can change driving direction quickly and easily, without wear.

## CargoProfi: smart and accurate loading to target weight and working height

Thanks to the precise measuring and tilt sensor system on the CargoProfi 4X80, you know exactly how much you are loading. Weigh your load at the touch of a button and make use of the full loading capacity. The CargoProfi offers top and bottom limits for lifting height and tipping angle. Your bucket is emptied completely thanks to the integrated shake function, which loosens any stubborn material. The Memo function saves positions and makes frequently repeating jobs easier.



Front loader with dampening system



Limiting the tilt angle for safety: on the Fendt CargoProfi, you can limit the tilt angle when loading very high trailers. The Memo function is especially practical for repeating sequences, for example, the horizontal lower position can be targeted automatically. The weighing function gives you more control over the load weight.



You can operate the Cargo loader and shuttle vehicle direction conveniently using the new 3L joystick.

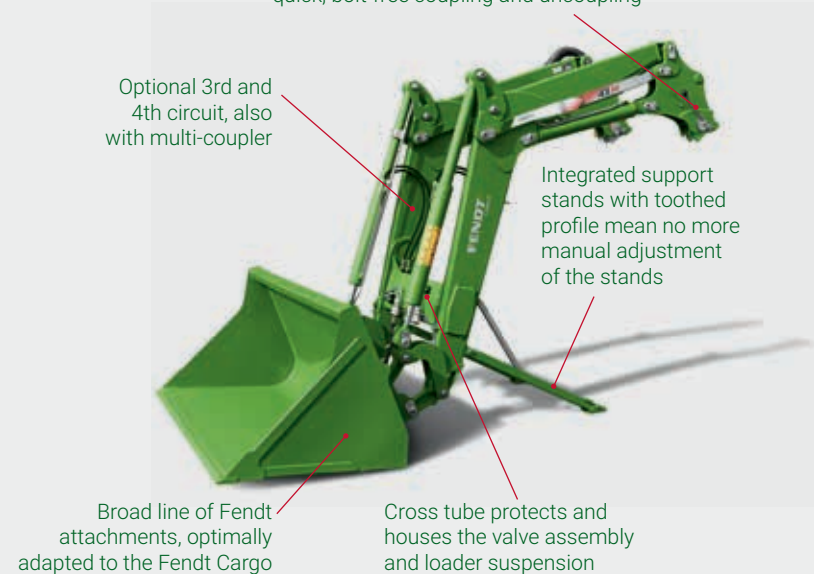
Foot pedal mode allows you to control ground speed and frees up your right hand for constant loader control with the 3L joystick.



With the orange reverse lever, the driver can easily change directions with their left hand. Hold the lever down and the Vario stops. Release the lever and the tractor automatically drives in the preset direction.



**Cargo details at a glance:** Cargo-Lock with semi-automatic latch allows quick, bolt-free coupling and uncoupling



# Fendt Guide auto steering and headland management.

For those who prefer precision.

**You can configure your Fendt guidance system to suit your needs. Equip your system with either a NovAtel® or Trimble® satellite receiver.**  
Depending on your work and individual requirements, you can choose from correction signals with different accuracy levels.

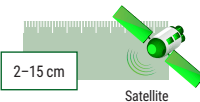
## NovAtel receiver



6–11.8 in

### NovAtel Standard

Correction signal: SBAS (EGNOS & WAAS)  
± 6–11.8 inches track-to-track accuracy; ± 59 inches repeatable accuracy



### NovAtel – extendible correction signals

Correction signal: TerraStar-L  
± 6 inches track to track accuracy; ± 19.7 inches repeatable accuracy  
Correction signal: TerraStar-C Pro  
± <1 inch track to track accuracy; ± <1 inch repeatable accuracy



### RTK

Correction signal: RTK  
± <1 inch track to track accuracy; ± <1 inch repeatable accuracy

Mobile network / radio

Satellite

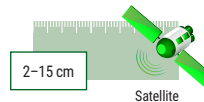
## Trimble receiver



6–11.8 in

### Trimble Standard

Correction signal: SBAS (Egnos & Waas)  
± 6–11.8 inches track-to-track accuracy; ± 59 inches repeatable accuracy



### Trimble – extendible correction signals

Correction signal: RangePoint® RTX  
± 6 inches track to track accuracy; ± 19.7 inches repeatable accuracy  
Correction signal: CenterPoint® RTX and CenterPoint RTX Fast  
± <1 inch track to track accuracy; ± <1 inch repeatable accuracy



### RTK

Correction signal: RTK  
± <1 inch track to track accuracy; ± <1 inch repeatable accuracy

Mobile network / radio

Satellite

**Because the receivers are installed under the roof hatch, they are fully protected against theft, weather and damage.**

Two main factors are decisive for farming:

- Track-to-track accuracy: Shows how precise the contacts are from one track to the next
- Repeatable accuracy: Specifies how accurately you can repeat an existing wayline or field boundary from the previous year.



## Headland management made easy with Fendt TI and TI Auto

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 in combination with Fendt Guide (Fendt TI Auto), position detection automatically initiates all recorded steps at the headland.

## Work profiles for perfectly adjusted equipment, even with different operators working on the same machine

With the work profiles, you can save each implement with its own settings. This saves you from having to enter the settings each time. Even if you have different operators, they can then work efficiently and optimized without adjusting any settings. The numerous setting parameters include: power lift, PTO, hydraulics, maximum load control, cruise control, engine speed, 4WD and differential locks.

# Agronomy.

Save time in the office.



## Fendt TaskDoc: Get ahead of the paperwork

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, Bluetooth or wirelessly over the mobile network.

# Machine control.

Perfect interaction of tractor and implement.



## SectionControl (SC)

*SectionControl ensures accurate seed or product placement based upon coverage maps.*



## Perfect interplay via ISOBUS:

*SectionControl, VariableRateControl and the Fendt Guide Contour Assistant give you all the software you need for high-precision, quality work.*

Fendt ISOBUS is a standardized plug & play interface between the tractor and the attachment: Simply connect the ISOBUS plug to the ISOBUS socket, and the control screen of the attachment appears in the terminal.

## Pinpoint precision: Fendt SectionControl

SectionControl provides automated section control for ISOBUS implements. Fendt SectionControl supports up to 36 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.

## How you benefit from Fendt SectionControl

- Savings of up to 15% in resources by avoiding unwanted overlaps
- Reduces the threat of disease, pests and weeds by avoiding overly dense crops and missed sections
- Less effort for the driver, so they can fully concentrate on monitoring the implement
- Improves the quality of work with automatic and accurate swath control
- Headland mode: Option to work the inner field first, then the headland

## Make full use of your tractor's potential: Fendt VariableRateControl (VRC)

VRC controls the output volume of resources (seeds, pesticides, fertilizers) for each subsection of field. To benefit from this smart solution, you need Fendt TaskDoc and an ISOBUS TC-GEO standard license.

## The advantages of Fendt VariableRateControl

- Increase your efficiency: Maximize yield while saving resources
- Save time: Use the job report as a reporting basis to meet legal requirements (e.g. Fertilizer Regulations)
- Flexibility: Compatible with ISO XML and Shape files



### No need for an external ISOBUS display

The additional 12" roof terminal offers you even more display space. You can show your ISOBUS attachment data on the roof display, for example, while the display on the armrest shows the lane guidance. External displays are no longer needed.



### Fendt Guide Contour Assistant

The Fendt Guide Contour Assistant option adds Contour Segments and Single Track to the familiar wayline types.

#### Contour Segments wayline

Record each segment and track everything, or apply them directly from the existing field boundary.

- No need to record different waylines to edit different sections of the field
- No need to manually switch between waylines as you work the field
- Combine all relevant tracks in one
- Contour Assistant automatically detects the right track

#### Single Track wayline

Record an almost endless track with an open contour.

- Ideal for plant protection, as you can record a single track and apply it to the whole field

# Telemetry.

Optimize your machine use.



### Call up machine data from any location: Fendt Connect

Fendt Connect is the central telemetry solution for Fendt machines. With Fendt Connect, machine data is collected and evaluated, so farmers and contractors can monitor, analyze and optimize the condition and use of their machines.

#### Fendt Connect tells you about:

- Machine position and route
- Fuel consumption and DEF level
- Speed and working time
- Machine capacity
- Error messages
- Upcoming service intervals

#### Fendt Connect

Mobile data transmission means you can check your realtime machine data anywhere—from a PC, tablet or smartphone.

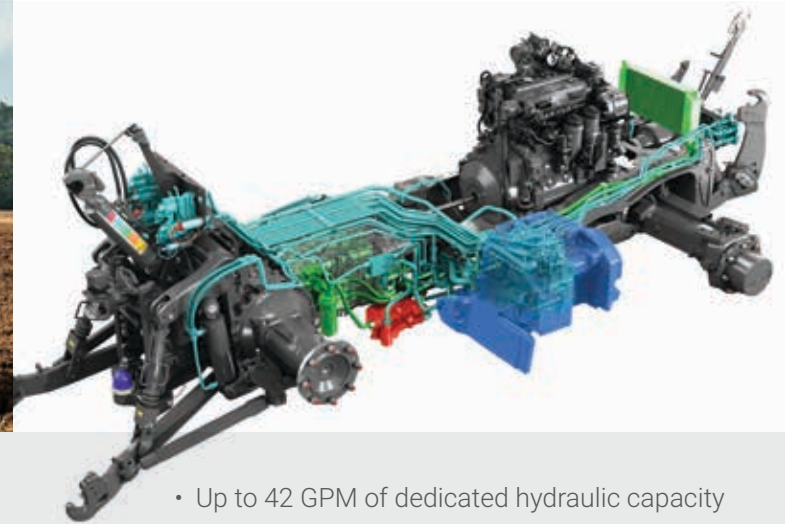


# It packs a punch.

FENDT 500 VARIO SERIES



Equipped with modern load sensing hydraulics, up to seven electro-hydraulic valves and front and rear linkage with superior functionality. The Fendt 500 Vario Series ensures you get more work done, year-around.

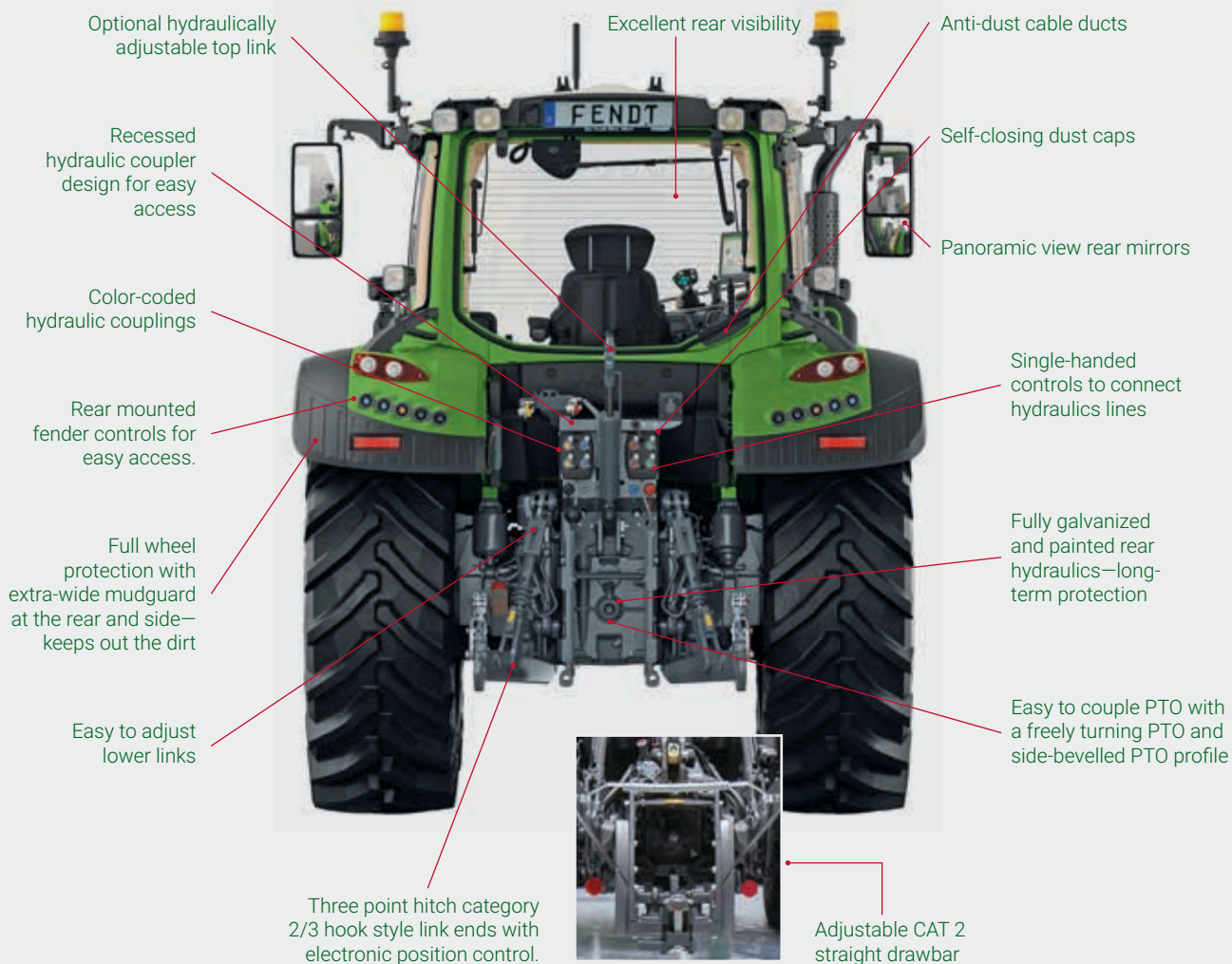


- Up to 42 GPM of dedicated hydraulic capacity
- Up to 5 rear and 2 front hydraulic remotes
- Separate transmission and hydraulic oil reservoir
- Ability to customize and prioritize hydraulic valves from the FendtONE display
- Hydraulic oil preheating
- Optional power beyond



# Adaptable control.

## Perfect tractor rear: 15 practical benefits that make all the difference



The rear power lift, PTO and one spool valve can be controlled from either rear fender.



### Three high-quality integrated front power lifts:

- Standard, with position control and position and load-relief
- Sits particularly close to the vehicle, which means the entire hook-up is very maneuverable
- Max. lift capacity 7,688 lbs.
- Lower links with particularly good lower grip, fold up when not in use
- Lifting cylinder protected by bellows against stone impacts
- The vibration damping, fitted as standard, prevents bounce and provides driving comfort
- Top links with solid brackets and easy handling

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

FENDT 500 VARIO SERIES



Nearly 400 years ago, the Fendt family not only built a reputation for fabricating precision clocks, they solidified that reputation by personally servicing and maintaining each one. Like our ancestors, we still believe 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, with a commitment to uptime, all the time. It's also a warranty designed to maintain exceptional resale value.

## **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.

## **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 with a loaner tractor. We stand by this promise for three years or 3,000 hours.

## **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 500 Vario Series Specifications

512      513      514      516

## Engine

Rated power ECE R120 (HP / kW)	124 / 91	133 / 98	150 / 110	163 / 120
Rated PTO power (HP / kW)	107 / 79	114 / 84	124 / 91	137 / 101
No. of cylinders / cooling	4 / water			
Cubic capacity (in. <sup>3</sup> / cm <sup>3</sup> )	246 / 4,038			
Rated engine speed (rpm)	2,100			
Engine speed at max. power (rpm)	1,900			
Max. torque 1,500 rpm (ft. lbs. / Nm)	405 / 550	435 / 590	478 / 649	506 / 687
Torque rise (%)	42	40	38	33
Fuel tank (gal / l)	78.7 / 298			
DEF tank (gal / l)	8.1 / 31			
Oil change interval operating hours	500			

## Transmission / PTO

Continuously variable Vario transmission model	ML90			
Speed range (forward / reverse)	Forward: 65 ft/h to 33 MPH (20 m/h to 50 KPH) Reverse: 65 ft/h to 21 MPH (20 m/h to 33 KPH)			
Rear PTO	540 / 1000			
Front PTO (optional)	1000			

## Linkage

Type of control	Electro hydraulic			
Hydraulic pump capacity (GPM / l/min)	29 (110) / Optional 42 (158)			
Max. rear 3-point lift capacity (lbs. / kg)	15,000 / 6,803			
Front linkage max. lift capacity (lbs. / kg)	7,688 / 3,487			
Hydraulic remotes	Rear – 3 Std. / Up to 5 opt., Front – Up to 2 opt.			

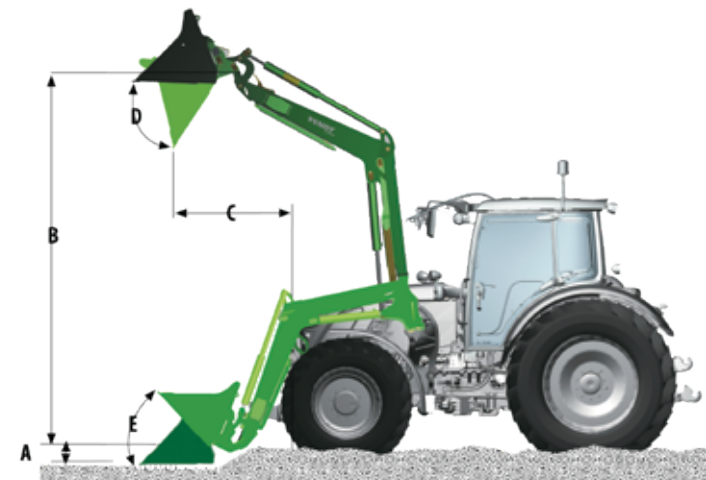
## Weights and Dimensions\*

Overall length (in. / mm)	175 / 4,453			
Width (in. / mm)	98.5 / 2,501			
Overall height cab (in. / mm)	117 / 2,965			
Wheelbase (in. / mm)	100.8 / 2,560			
Unladen weight (lbs. / kg)	13,338 / 6,050			
Max ballast weight (lbs. / kg)	23,148 / 10,500			

## Electrical Equipment

Starter (kW) battery	4			
Alternator	14.4 V / 200 A			

\*Standard wheels in U.S.: 16.9R28 / 20.8R38



## Loader specifications

Model	4X/75	4X/80
<b>A</b> Digging depth in. <sup>1</sup>	6	6
<b>B</b> Lifting height in. <sup>1</sup>	163	163
<b>C</b> Dumping distance in. <sup>1</sup> [B = 11.4 ft. (3.5 m)]	63.3	63.3
<b>C</b> Dumping distance in. <sup>1</sup> [B = max.]	45	45
<b>D</b> Angle of emptying	55°	55°
<b>E</b> Angle of backwards tilt	48°	48°
Lift capacity over full height lbs.	4,361	5,080
Maximum lift capacity lbs.	5,058	5,889

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