

# FENDT

## Fendt 1100 Vario MT





## Fendt 1100 Vario MT. Get it done.

Unrivalled performance, soil protection and stability. All the comfort and handling of a wheeled tractor. The new Fendt 1100 Vario MT is the crowning glory of our tractor series. A tractor that meets even the highest power transfer demands. And just the right choice if you have to deliver the extraordinary, every day.



## Because performance makes all the difference. Fendt 1100 Vario MT.

Engine		1151 Vario MT	1156 Vario MT	1162 Vario MT	1167 Vario MT
Rated power ECE R 120	kW/hp	376/511	415/564	455/618	495/673

We are a global leader in building tracked tractors, with our experience spanning more than 30 years. We have linked that experience with innovation to create the new Fendt 1100 Vario MT, helping you achieve the best you can every day. There are three models to choose from, ranging from 511 to 618 hp. If that's not enough for you, go for the high-end model Fendt 1167 Vario MT. This gives you an extra 55 hp for auxiliary consumers with high power requirements, like the hydraulics or PTO.



# Fendt 1100 Vario MT Spotlights. Special. Better.

The best features for your success. The new Fendt 1100 Vario MT is not only a tracked tractor, it is your key to outstanding results. This overview shows the special Fendt solutions – our Fendt Spotlights – that make the difference and simply make your work better every day.

## 1. VarioDrive drive train

- Gear ratio regardless of engine speed: two independent, pivoting hydromotors for maximum efficiency in any driving situation
- Specially adapted to the requirements of tracked tractors
- No travel range selector required
- Optimum engine/transmission tuning together with the Fendt iD low-speed concept

## 2. Swivel drawbar

- Choice between a hydraulically pivoting or free-pivoting drawbar, which can be swivelled 28° in both directions
- For three-point attachment: Drawbar with rear power lift available

## 3. Fendt iD low engine speed concept

- All vehicle components are perfectly aligned to the right speeds, including the engine, gearbox, fans, hydraulics and all auxiliary units
- Reach the highest torque at low revs
- Low fuel consumption, all the time
- Extended service life

## 4. SmartRide+ chassis suspension

- Top-level driving comfort on the field and on the road
- 100% maintenance-free
- Self-levelling system: Chassis is kept horizontal even for heavy attachments -> optimised suspension in both directions



## 5. High performance hydraulics

- 2-circuit hydraulics with up to 440 l/min
- No throttle losses for more power
- Separate transmission and hydraulic oil supply
- Low maintenance costs due to long maintenance intervals (2,000 hours or two years)

## 6. Flexible ballast options

- Flexible ballast options at the front, on the idler and drive wheels as well as on the undercarriage
- Perfect ballasting depending on the intended use and soil conditions
- Adjust the machine's centre of gravity with SmartRide+
- Easy to attach and detach the front weight with the help of SmartRide+

## 7. VarioGuide guidance system

- Basic guidance package as standard: Tractor equipped for guidance
- Choice of two high-performance receivers: NovAtel or Trimble
- Various correction signals with an accuracy of up to 2 cm
- VarioGuide Contour Assistant optional

## 8. Spacious cab including suspension

- Fendt driver's workstation with proven operating logic
- First tracked tractor with a 2-point cabin suspension offers outstanding comfort
- Excellent visibility in all directions

FENDT 1100 VARIO MT – ENGINE

# A powerhouse of a tractor.



**Cooling**

The hydraulically driven cooling fan has its own hydraulic circuit. The fan pushes the air towards the heat deflector. This directs the hot air to the air vents in the bonnet. The heat from the cooler gets nowhere near the engine compartment. This guarantees the engine components stay at suitable low operating temperatures.

**A power sensation**

An engine that is unparalleled: the MAN 6-cylinder in-line engine offers an enormous cubic capacity of 15.2 litres on the Fendt 1151 Vario MT, 1156 Vario MT and 1162 Vario MT models. With the high-end model Fendt 1167 Vario MT boasting 16.2 litres, providing an unbeatable 673 hp to the auxiliary consumers under extremely high power requirements. A Common Rail system with an injection pressure of up to 2,500 bar and a turbo-supercharger with variable turbine-geometry (VTG), deliver the power evenly and dynamically even at low engine speeds.

**Fendt iD low engine speed concept**

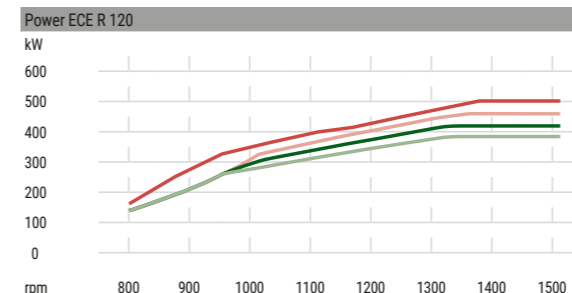
Fendt iD combines high power requirements with low speeds. Because every vehicle component, like the engine, gearbox, fans, hydraulics and all the secondary users are designed to work perfectly in line with low engine speeds. The constant torque range of the Fendt 1100 Vario MT ranges from 800 rpm to 1,700 rpm. Fendt iD is your tool to achieve high performance while saving fuel and maintaining a long service life.

**Clean giant**

Concentrated power, gigantic dimensions and yet absolutely clean. Our Fendt 1100 Vario MT easily meets the EU Stage V emissions standard. Exhaust gas after-treatment is taken care of by cooled exhaust gas recirculation (cEGR), a diesel oxidation catalyst (DOC), diesel particulate filter (DPF) and selective catalytic reduction (SCR).

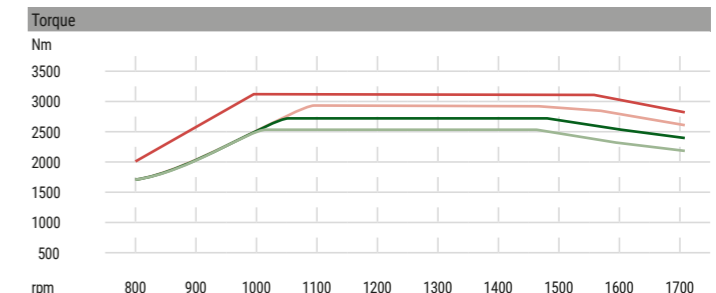
**Added power punch**

Because we know that strength doesn't just mean power, we've equipped our new Fendt 1100 Vario MT with a 1,320-litre diesel tank. And the AdBlue tank with a capacity of 135 litres offers enough space for longer working sessions without refuelling. All filling points are close to each other to help with refuelling and maintenance. There is a filling nozzle holder on the cab platform so you can securely stow and easily access your tanking accessories.



- 1151 Vario MT
- 1156 Vario MT
- 1162 Vario MT
- 1167 Vario MT\*

\*Extra power for auxiliary consumers like the hydraulics and PTO



**Engine properties**

With the low-speed concept Fendt iD, the Fendt 1100 Vario MT releases its torque in the lower speed range already. It reaches its maximum torque at just 1,100 - 1,450 rpm. This saves fuel and extends service life.

FENDT 1100 VARIO MT – VARIODRIVE

# Vario, because you deserve it.

### Stepless on tracked drives

Fendt is Vario. Vario is Fendt. That's why our Fendt 1100 Vario MT tracked tractor now comes with the VarioDrive powertrain for the first time. The Fendt 1100 Vario MT is the first tracked tractor in this hp class to have a stepless drive. We have revised the gearbox and adapted it precisely to the special requirements of a tracked tractor. Stepless drive between 0.02 and 40 km/h for pure driving pleasure. And that's not all. The tractor management system (TMS) makes sure you drive in the most cost effective way, at all times. The perfect tuning of the engine and gearbox means you're 100% fuel efficient – the only thing you need to do is set the speed you want.

### Engine and transmission in harmony

Always the best driving speed – at any engine speed. Your Fendt Vario gearbox with TMS ensures the engine and transmission are perfectly in tune. The cruise control and Automatic maximum output control 2.0 automate operation depending on the load, which means not only is your Fendt 1100 Vario MT particularly fuel-efficient, but you can drive off smoothly without any jerking movements and there is no wear at all when you switch from forward to reverse.

### VarioDrive

VarioDrive is a variable drive powered by independently driven hydromotors. The drive train works with a hydrostatic-mechanical distribution of power. The diesel engine drives the planetary set. The ring gear, in turn, drives the hydropump. The hydropump then supplies two hydromotors. The drive axle is also mechanically powered. This means Fendt VarioDrive ensures permanent traction and works efficiently even at higher speeds. The second hydraulic motor is decoupled for maximum efficiency. The entire power is mapped in one speed range, with no need for a travel range selector.

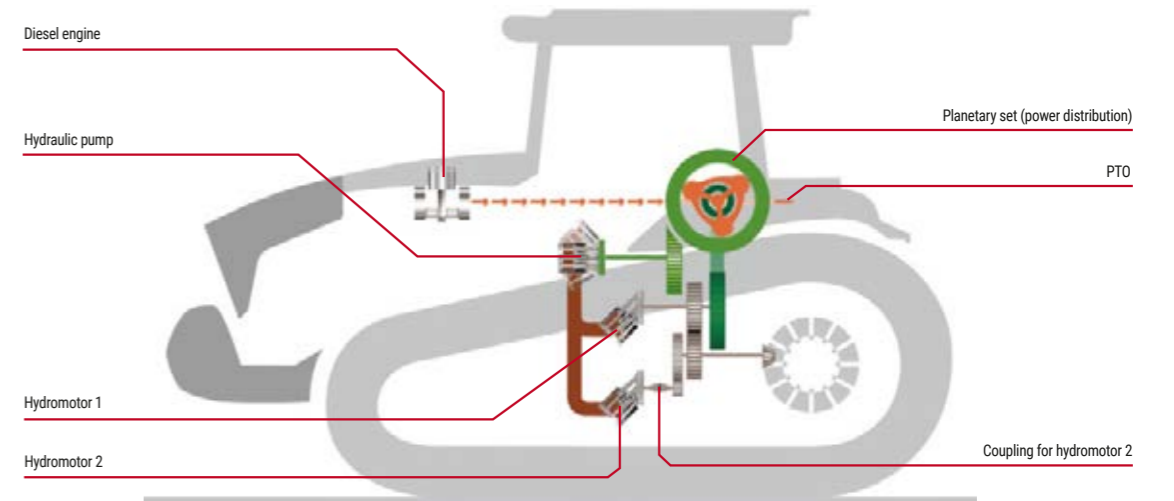
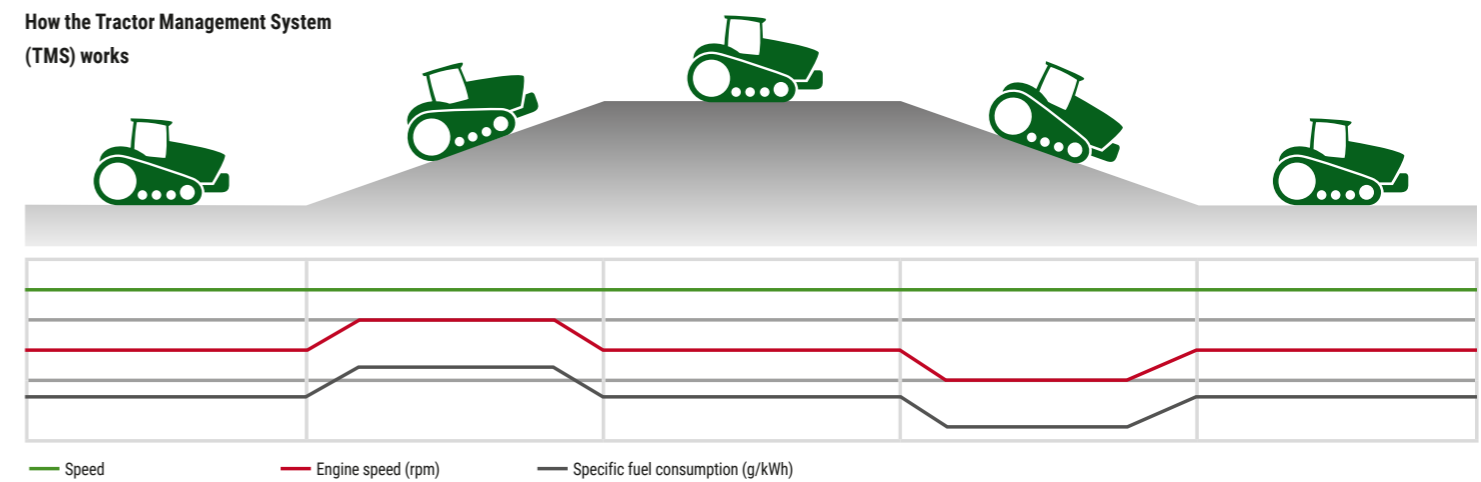
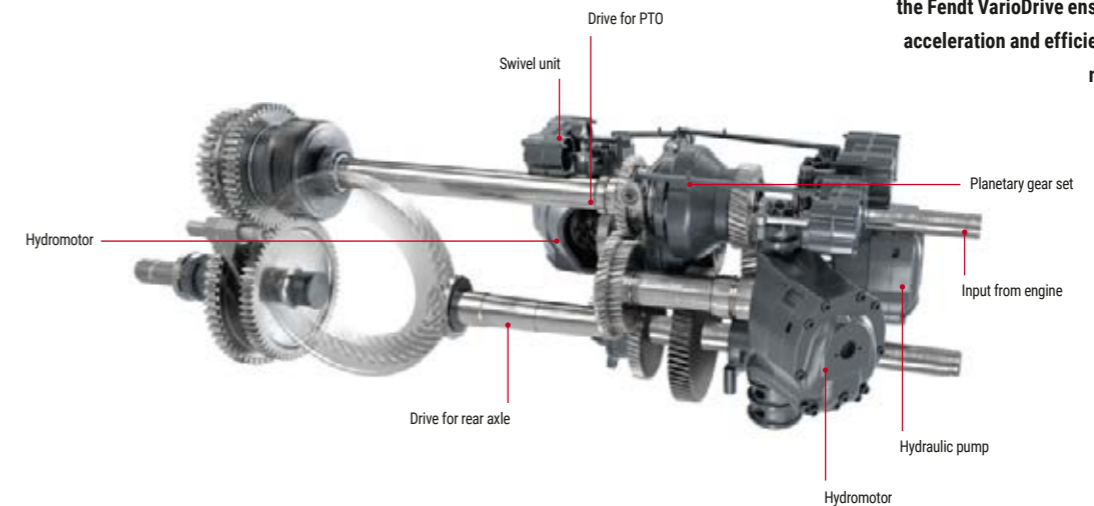


Diagram showing the Fendt VarioDrive design

### How the Tractor Management System (TMS) works



High-performance hydrostatic devices in the Fendt VarioDrive ensure smooth acceleration and efficient jerk-free movements.



FENDT 1100 VARIO MT – TRACKED DRIVE

# Our experience for your success.

**All advantages in one vehicle**

The tracked drive system of the new Fendt 1100 Vario MT is the result of more than 30 years' experience with tracked tractors. Our drive has a suspension chassis for 100% comfort. The 3,000 mm wheelbase promises an extremely large contact surface. This means more traction, less soil pressure and an optimal weight distribution across the entire contact area even in the case of a heavy load. And, of course, optimised driving comfort.

**Fendt Longlife rollers**

The four rollers of the tracked drive are the key to continuous power transmission. They are connected to the chassis with a unique suspension system. This way they achieve an enormous swing distance and flexibly adapt the track to the ground contour. So, the weight is always distributed across a maximum contact area and the entire track is always in contact with the ground. Power can therefore also be permanently transmitted. What's more, our patented Fendt Longlife rollers feature a special polyurethane snap-in ring on the inside. This effectively prevents heat generation, even in continuous operation at high speeds. The guide blocks on the inside of the treads are also protected. With our Longlife rollers, you benefit from the components having an extended service life.

**Exceptional force – the drive wheel**

The tracked drive of the Fendt 1100 Vario MT works without friction. The drive wheel is powered by the drive shaft and the force is transferred to the tread by friction. The rolling surface of the drive wheel has a rubber coating with a herringbone pattern. The surface has excellent self-cleaning properties, for reliable traction.

**Always on track – the idler wheel**

The idler wheel keeps the tread of Fendt 1100 Vario MT running in line. The idler wheel is also offered in two different widths for different track widths. The correct width supports self-centring of the tracks. The idler wheel is driven by the movement of the tread. Again, a rubber coating on the idler wheel rolling surface ensures reliable contact with the tread.

**Tread variants for any requirements**

The tracks establish contact between the tractor and the ground. They are the key to power transfer to the ground. The Fendt 1100 Vario MT offers the widest selection of treads on the market. So, look no further for the right tread for your farming business.

**Standard tread**

Ultimate traction, extra long service life. For universal use and utterly powerful.



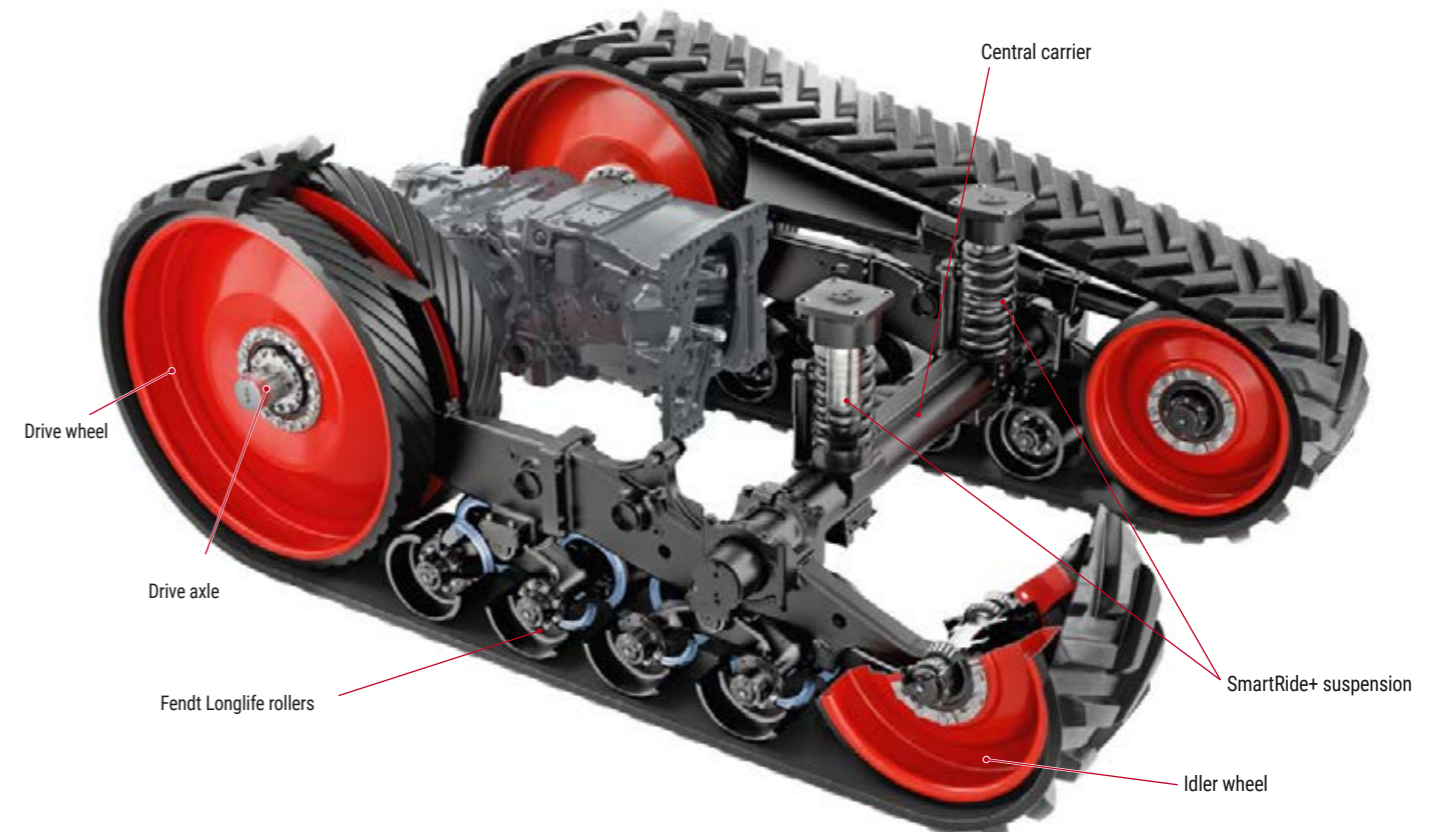
**Extreme tread**

For the toughest conditions and slopes. High profile studs ensure the tread has an extended service life and improved traction on wet ground.



**Special tread**

For extreme conditions. Equipped with a thick carcass and an additional belt layer. Withstands heavy tensile loads.



**Standard track**

The standard track width is between 2,286 and 2,502 mm. The transport width of 3 m is easily maintained with a track gauge setting of 2,286 mm in combination with the 698 mm tracks.



**Wide track**

Track widths of 2,235 m to 3,251 m are available.



FENDT 1100 VARIO MT – TRACKED DRIVE

## Discover the difference with SmartRide+.

### Maintenance-free tensioning system

Perfect traction between the drive wheel and the treadbar ensures that Fendt 1100 Vario MT converts its power into permanent propulsion. A hydraulic cylinder mounted on the chassis frame pushes the idlers forward to create tension so that traction is never lost. Since the tensioning system works in one direction, the bearings are reliably protected thanks to the symmetrically acting forces. No need to make any settings – it's all done automatically for you by the hydro reserve. But you can still monitor the pressure via the Varioterminal 10.4".

### Unique on the market – SmartRide suspension

Our SmartRide suspension provides unparalleled comfort, whether on the field or on the road. The SmartRide suspension connects the central carrier to the chassis. Coil springs, shock absorbers and silent blocks promise extremely high suspension. The central carrier can swing 11° to keep as close to the ground as possible. A coupling rod (Panhard bar) prevents any movement to the side and stabilises the tracks lengthways. A further benefit was the fact that the system is fully maintenance-free.

### The + makes all the difference – SmartRide+ with self-levelling system

If you want even more than our SmartRide suspension can offer, choose SmartRide+. SmartRide+ uses a self-levelling system. This helps you to balance your Fendt 1100 Vario MT in terms of height. How does it work? It's simple – special cylinders attached to the screw springs of the SmartRide+ suspension can be retracted or extended. The driver can make the necessary adjustments on the membrane keypad on the armrest, depending on the attachment.

How you benefit from SmartRide+:

- Even for heavy attachments, the tractor remains levelled -> maximum traction
- Better driving comfort, with high suspension in both directions
- Easier to attach and detach the front weight

### Because your tractor is worth it

Try our optional dirt guard, which you can adjust exactly to the width of your tread in two positions. The advantage of this is you can actively prevent dirt, crop residues or other material from falling between the rollers. As a result, the wear on the inner surfaces of the belt is completely uniform on both sides. This increases the service life of the rollers and indeed all the rolling components.



### Debris deflector

Our debris deflector prevents any material from falling between the rollers. The plastic panels can be easily replaced in case of wear.

### Maintain perfect geometry with SmartRide+

You can control two hydraulic cylinders from the cab to ensure that your Fendt 1100 Vario MT is always perfectly levelled. This is great when working with heavy attachments – if the tractor's centre of gravity shifts to the rear due to high traction requirements, you can restore the correct levelling by pressing a button on the armrest. The travel of the SmartRide+ suspension is also optimised in both directions – for superior driving comfort.





# Just right for your attachments.

### Flexible hydraulic system

You can choose between a 220 l/min single pump or 2-circuit hydraulics with up to 440 l/min (220 + 220 l/min). Our optional 2-circuit hydraulics system allows two driven units to be supplied with different amounts of pressure and oil flow. So, for a single-grain seed drill, you have one connection with low oil requirements and one with high oil requirements. With the 2-circuit hydraulics, you can now share the connections between the two pumps. Each pump only delivers the amount of oil needed and there are no throttle losses. The Fendt 1100 Vario MT offers rear connections for up to 8 ECVs. All coupling connections are smooth to handle. The transmission oil tank is separate from the hydraulic oil supply, so you do not have to worry about cross-contamination. And for particularly low maintenance costs, we have increased the maintenance interval to 2,000 hours or two years.

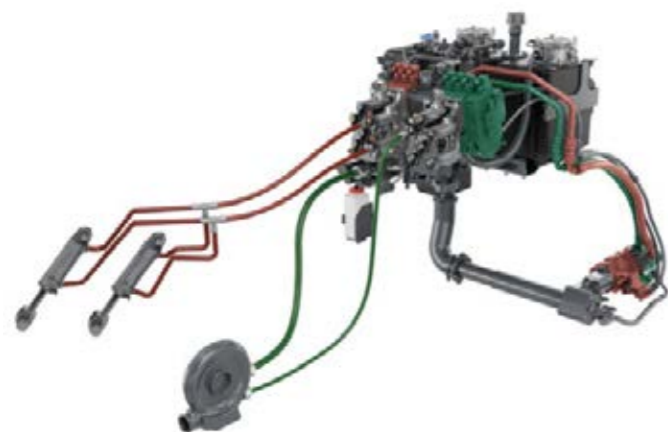
### The right attachment for each hookup

In the performance segment of the Fendt 1100 Vario MT, most attachments are driven with a drawbar. The Fendt 1100 Vario MT comes with a Cat. 5 drawbar. But you can easily reduce the bolt size to Cat. 4 with the help of an adapter – a simple, toolless process. To ensure that your Fendt 1100 Vario MT fits perfectly with your business and its requirements, there are different drawbars to choose from:

- Free-pivoting drawbar
- Hydraulically pivoting drawbar
- Drawbar for use with a rear power lift for a three-point hitch

### PTO shaft for direct power transmission

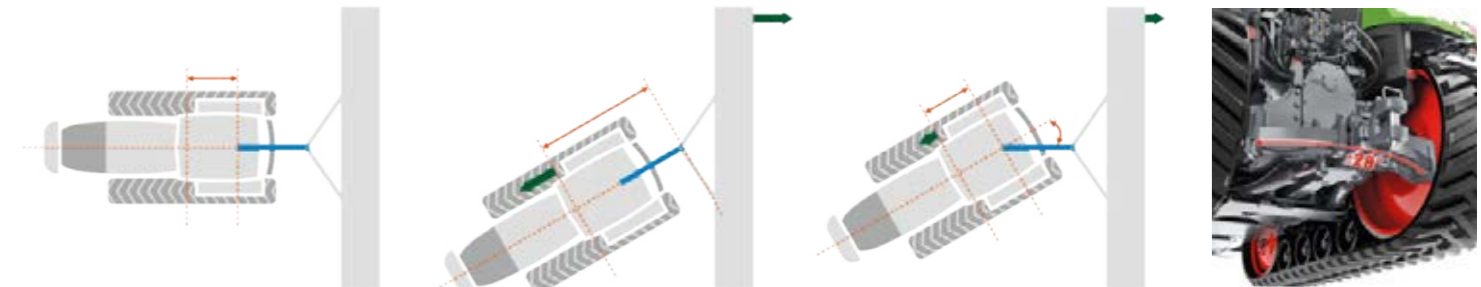
To efficiently use the power of the MAN engine for your PTO-operated attachments, the PTO on the Fendt 1100 Vario MT is connected straight to the crankshaft. There is just one gear level in between. For maximum efficiency. Three speeds are at your disposal: 1,000 at 1,614 engine rpm, 1,000E at 1,255 rpm and 1,300 at a favourable 1,631 rpm. The speed is pre-selected simply and without complication at the touch of a button in the cab. The PTO is similarly activated. Alternately, there are activating switches at both rear mudguards.



### 2-circuit hydraulics

Two separate hydraulic circuits deliver a volume flow of up to 440 l/min at 1,700 rpm.

### Why use a pivoting drawbar?



**Straight-ahead driving with drawbar**  
The forces are balanced.

**Steering with a rigid drawbar**  
The actual pivot point of the tractor is far from its natural pivot point -> more traction required

**Steering with a pivoting drawbar**  
The actual pivot point of the tractor is closer to its natural pivot point -> less traction required for fuel savings and less wear

**Swivel drawbar**  
The drawbar can be swivelled 28° to the left and right.

# Always in balance.



40% 60%

### Adapted to field use

The ideal weight distribution for tracked tractors is 60% in the front and 40% in the rear.

### Made for tracked tractors

The weight distribution of tracked tractors is fundamentally different from that of standard tractors. The ideal weight distribution for field use is 60% at the front and 40% at the rear. The tractor's centre of gravity changes depending on which attachment you are working with. With the help of these flexible ballasting options, you can restore the ideal weight distribution. Your Fendt 1100 Vario MT is perfectly ballasted under load when the tread – from the idler wheel to the drive wheel – is in contact with the ground. Only then do you have the greatest possible contact surface for the best traction force transmission.

### Ballasting made easy

With the Fendt 1100 Vario MT, you have a wide range of ballast weights to choose from. Depending on the application, you can choose from the following weights:

- Front weights
- Idler wheel weights
- Weights for the undercarriage
- Weights for the drive wheels

All weights are exceptionally easy to attach and detach. Another benefit is that the weights are transferred directly to the ground without using the chassis, axle or central carrier.

### Another ballasting option is SmartRide+ with self-levelling system

In addition to the ballast weights, the self-levelling system also helps you to balance the tractor perfectly. With the help of hydraulic cylinders attached to the central carrier, the alignment of the tractor can be adjusted downwards or upwards. This means your Fendt 1100 Vario MT stays with the ground contour even with the heaviest attachments. You can also use levelling to increase and reduce your front weight without using lifting gear.



### Weights for the undercarriage

These weights are right at the centre of gravity. They also prevent dirt from falling between the Fendt Longlife rollers. So, the components are protected and their service life extended with it.



### Front weights

As the front weight is mounted way out in front of the tractor's centre of gravity, it helps balance the weight. It also ensures the treads' uniform surface area for the ultimate power transfer to the ground.



### Idler wheel weights

Additional idler wheel weights also balance out the weight, even if the maximum front weight is already mounted in the front.



### Weights of the rear drive wheels

To further increase the overall weight of the Fendt 1100 Vario MT, you can use the weights for the drive wheels. Another way to improve traction transmission even further.

FENDT 1100 VARIO MT – CAB

# Jump in and feel good.

### Standard operating philosophy

A modern and comfortable workplace awaits you in the Fendt 1100 Vario MT. The trusty Fendt multi-functional armrest offers you quick and easy access to all the tractor functions you need for your work. Its height and position can be adjusted. The Varioterminal 10.4" continually displays all the important settings, the steering system or the attachment, so you can keep a constant eye on all the machine data.

### Everything in one place

Using just one multi-functional joystick, you can control all the important tractor functions. In addition to the driving speed and direction, you can also control the acceleration in four stages. With the help of two buttons, directly select two different cruise controls or activate a saved engine speed. Activate the Variotronic<sup>TI</sup> headland management using the Go and End buttons. This way you have complex attachments under control and get to experience reduced workload on headlands. A particular benefit is how easy it is to program headland sequences at a standstill or even on the move.

### Hydraulic system & buttons

You can operate the powerful hydraulic valves using easily accessible and clearly arranged linear modules in the armrest. The response behaviour of the linear modules can be adapted to your requirements. Moreover, a crossgate lever is also available for hydraulic operation directly next to the joystick, which you can use to operate two valves. The valves can be freely assigned. Easily assign them on the Varioterminal at the touch of a button. Here you can also adjust the flow times and quantities easily and control your attachments to get the best results.

### Standard cab suspension

Four rubber silents reduce vibrations effectively for high ride comfort.



### Optional cab suspension

For added suspension and even more driving comfort. The cab suspension with two suspension cylinders minimises vibrations.



Use the joystick (fitted as standard) to control the speed, cruise controls, engine speed memory and headland management.



The optional multi-function joystick also features buttons to control two hydraulics valves.

# Guidance system

## For those who prefer precision.

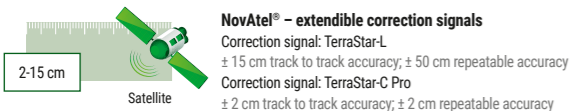
**You can configure your Fendt lane guidance system to suit your needs. Equip your system with either a NovAtel or Trimble satellite receiver.**

Depending on your work and individual requirements, you can choose from correction signals with different accuracy levels.

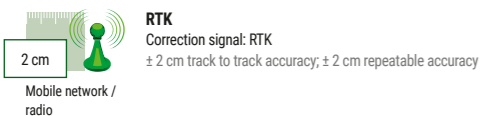
### NovAtel® receiver



**NovAtel® Standard**  
Correction signal: SBAS (EGNOS & WAAS)  
± 15-30 cm track to track accuracy; ± 150 cm repeatable accuracy



**NovAtel® – extendible correction signals**  
Correction signal: TerraStar-L  
± 15 cm track to track accuracy; ± 50 cm repeatable accuracy  
Correction signal: TerraStar-C Pro  
± 2 cm track to track accuracy; ± 2 cm repeatable accuracy



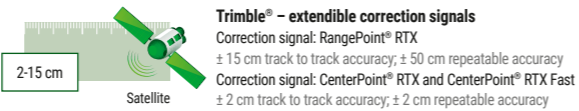
**RTK**  
Correction signal: RTK  
± 2 cm track to track accuracy; ± 2 cm repeatable accuracy

Mobile network / radio

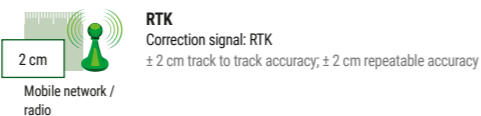
### Trimble® receiver



**Trimble® Standard**  
Correction signal: SBAS (Egnos & Waas)  
± 15-30 cm track to track accuracy; ± 150 cm repeatable accuracy



**Trimble® – extendible correction signals**  
Correction signal: RangePoint® RTX  
± 15 cm track to track accuracy; ± 50 cm repeatable accuracy  
Correction signal: CenterPoint® RTX and CenterPoint® RTX Fast  
± 2 cm track to track accuracy; ± 2 cm repeatable accuracy



**RTK**  
Correction signal: RTK  
± 2 cm track to track accuracy; ± 2 cm repeatable accuracy

Mobile network / radio

**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.

### Variotronic<sup>TI</sup> headland management

Save recurring processes and activate them when you want:

- Create the best processing sequence manually from standstill, or record and save it while driving
- Activate your defined work sequence at the push of a button
- Variotronic<sup>TI</sup> in combination with VarioGuide (Variotronic<sup>TI</sup> automatic): Automatically introduce all recorded steps at the headland with position detection

### Automated turning: Variotronic<sup>TI</sup> Turn Assistant

The Variotronic<sup>TI</sup> Turn Assistant automatically adds the automatic turning sequence to the Variotronic<sup>TI</sup> automatic headland management system. You select which contact lane you want to start next and can process the inside of the field either in U-Turn mode or Part Field mode. Turn Assistant makes your work as easy as possible, with precision and efficiency. You also save resources and time spent on turning, while protecting the soil with the perfect turning actions.

### Get even more from your lane guidance system.

#### Fendt TI Headland

Fendt TI Headland combines the two products Variotronic<sup>TI</sup> automatic and Variotronic<sup>TI</sup> Turn Assistant in a complete package. Work sequences are stored and activated in combination with the VarioGuide tracking system, which makes it much easier to manage the headland and takes the strain off you.

### VarioGuide Contour Assistant

The VarioGuide Contour Assistant software option adds Contour Segments and Single Track to the familiar wayline types:

#### Contour Segments wayline

You can use the Contour Segments wayline to record each segment and track in a one-off circumnavigation of the field, or apply them directly from the existing field boundary.

- No need to record different waylines to process different sections of the field
- No need to manually switch between waylines as you work the field
- Summary of all relevant tracks for one unit
- Contour Assistant automatically detects the right track

#### Single Track wayline

Use Single Track to 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

# Agronomy

Save time in the office.



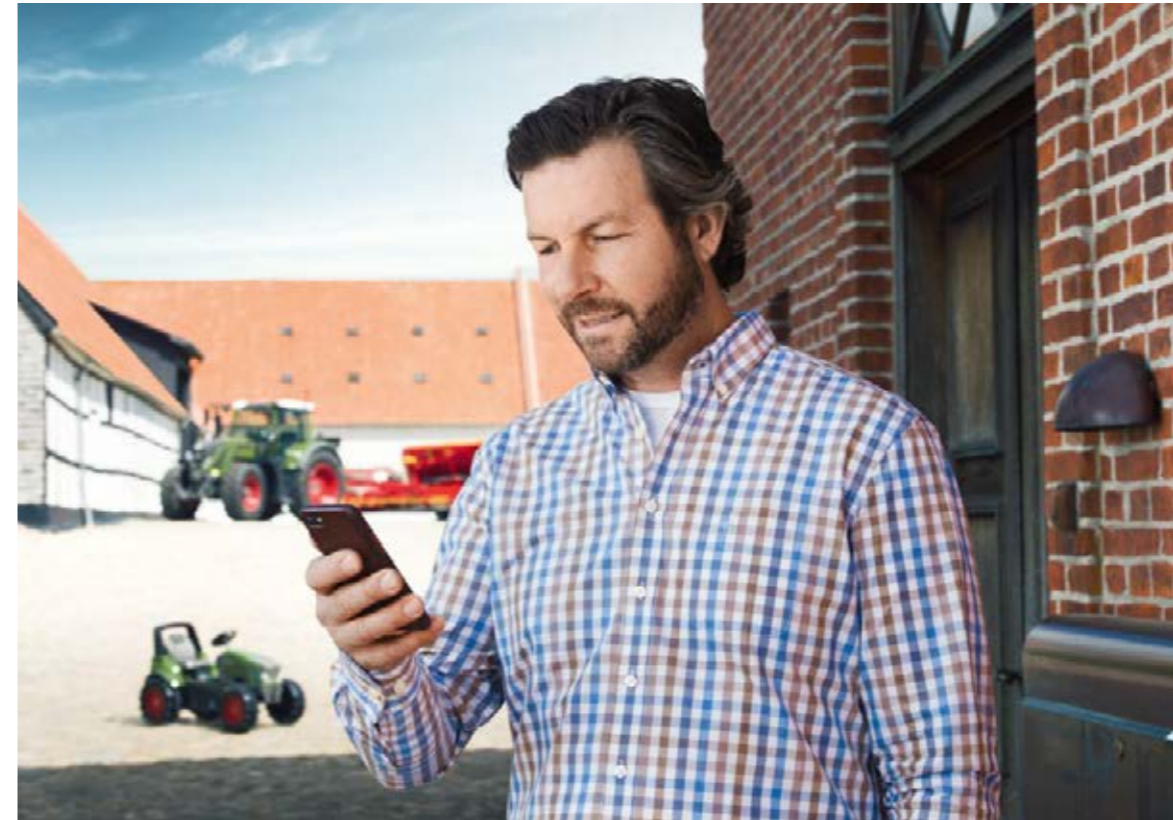
### VarioDoc Pro: get ahead of the paperwork

In your already busy everyday life, there's no avoiding that paperwork – annoying, but necessary. The good news is that your Fendt machine will help you document your field work in the best possible way.

With the order-led documentation system VarioDoc Pro, your tractor collects all necessary data as you work. You can then transfer the data as a standardised file into a field map – either via a USB stick, Bluetooth or wirelessly over the mobile network. The documentation system is fully integrated into the Fendt operating concept, which makes navigation easier for beginners as well as those more experienced.

# Telemetry

Optimise your machine use.



**Fendt Connect**  
Mobile data transmission means you can check your realtime machine data anywhere – from a PC, tablet or smartphone.

### 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, analyse and optimise the condition and use of their machines.

#### Fendt Connect tells you about:

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

### Everything in sight – Fendt Smart Connect

Fendt Smart Connect shows machine parameters on your iPad. With your machine equipped with the telemetry basic package, you can show specific machine data in the free Fendt Smart Connect app. Data is sent via WiFi. With Fendt Smart Connect, the driver gets an extra, customisable display for machine parameters like fuel consumption and driving speed. The system does not permanently store any data.

# Machine control

Perfect interaction of tractor and attachment.



ISOBUS socket



### With SectionControl

Clean contacts, even on awkwardly sectioned fields.

ISOBUS is a standardised 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: SectionControl

SectionControl (SC) provides automated section control for ISOBUS implements. 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 flip a switch to start.

#### How you benefit from 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 clean contact at the headland
- Headland mode: Option to work the inner field first, then the headland

#### Make full use of your tractor's potential:

##### VariableRateControl

VariableRateControl controls the output volume of resources (seeds, pesticides, fertilisers) for each subsection of field. To benefit from this smart solution, you need VarioDoc Pro and an ISOBUS TC-GEO standard licence.

##### How you benefit from VariableRateControl:

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

#### How it works

VariableRateControl works from a field map that gives the best output volumes for the different field zones and shows them in different colours. You create this map on a farm management system before you start the work (e.g. NEXT Machine Management). You can draw on your own knowledge of the field or use data from soil samples, satellite data, etc. Then use the mobile network or Bluetooth to send the field map to the Varioterminal as a standardised ISO-XML file. The TC-GEO Task Controller automatically controls the output volumes depending on the position. Once the field is worked, you can send a report back to your farm management system to clearly document your work. VariableRateControl can handle up to five different products at the same time.

# Power lift.



### Three-point attachment

- Available for all models
- Cat. 5 drawbar
- High lift capacity of 9,072 kg
- Only available with mechanical upper link

### The perfect drawbar for your needs.



- Swivel drawbar**
- Swivels by  $\pm 28^\circ$
  - 4,990 kg vertical load



- Hydraulically pivoting drawbar**
- Swivels by  $\pm 28^\circ$
  - 6,800 kg vertical load



- Rear power lift with pivoting drawbar**
- Drawbar pivots  $\pm 11.5^\circ$
  - 6,800 kg vertical load

# Ballasting.

### Front weights



Front weight carrier with 330 kg and slot-in weights with a total of 915 kg



Front weight carrier with 330 kg and slot-in weights with a total of 1,645 kg



Front weight carrier with 330 kg and single block with 2,000 kg

### Idler wheel weights



907 kg: 16 idler wheel weights (4x per idler wheel)



1,588 kg: 28 idler wheel weights (7x per idler wheel)



2,041 kg: 36 idler wheel weights (9x per idler wheel)

### Weights for the undercarriage



1,345 kg: 32 weights on the outside of the undercarriage (16x per tread); dirt guard on the inside



2,690 kg: 64 weights on the inside and outside of the undercarriage (32x per tread)

### Weights for the rear drive wheels



519 kg: base weight on the inside



519 kg: base weight on the outside



973 kg: base weights + an additional weight on the inside



973 kg: base weights + an additional weight on the outside



1,039 kg: base weight on the inside and outside



1,427 kg: base weight + two additional weights on the inside



1,427 kg: base weight + two additional weights on the outside



## FENDT SERVICES

# The best product with the best care and service.

With Fendt, you get a cutting edge product that will overcome the toughest of challenges. That's why you can expect that little bit extra when it comes to services from highly-efficient, certified Fendt dealers:

- with fast lines of communication between you and our trained service team.
- 24/7 availability of replacement parts throughout the season
- 12-month warranty on Fendt original parts and their fitting

**100% quality. 100% service: Fendt Services**  
We offer outstanding services to offer you the best possible reliability of use and efficiency from your Fendt Machine:

- Fendt Demo service
- Fendt Expert operator training
- AGCO Finance – finance and lease deals
- Fendt Care – servicing and guarantee extensions
- Fendt Certified - Pre-owned machine programme



+44 330 123 9909

Your Fendt dealers are always there when you need them, and have just one aim – to make sure your Fendt machines are ready for action at any time. If something does go wrong during harvest time, simply call your certified service centre 24/7 on the emergency hotline.





FENDT SERVICES

# Rest assured that your machine will be ready for action tomorrow.

**Fendt Demo service**

Is this a new purchase? You'll love our Fendt solutions and overall efficiency. Let the Fendt Demo service make the decision easier.

**Fendt Expert operator training**

We help you get the most out of your vehicle. With the help of our exclusive Fendt Expert operator training programme, you can optimise the efficiency of your Fendt even further, and get to know all the functions to make your daily routine that much easier. Our team of professional trainers will advise you on how to use your Fendt machine to its full potential.

**Individual finance and lease models**

Investing in technology means a considerable capital outlay. A credit finance agreement from AGCO Finance offers attractive conditions and flexible terms. From the initial down payment to monthly instalments to the payment term – you set the general terms on which to finance your Fendt. If you need additional resources in a hurry or want to use tractors over a long-term period without purchasing them, your Fendt dealer can offer the ideal solution with tailored lease packages.

**Fendt Certified - Pre-owned machine programme**

Leaders drive Fendt – including with pre-loved agricultural machinery. Used agricultural machinery to tried and tested high-quality standards and certified Fendt quality – the ideal solution for cost-conscious farmers or as an addition to a growing fleet.

The benefits:

- Certification according to strict quality standards
- Extensive incoming check (technology, wear, appearance)
- Fully serviced wear parts
- If required, replace, clean and paint components
- One-year warranty (option to extend)

**Fendt Care – servicing and guarantee extensions**

To keep your machine ready for action at any time, we offer a tailored maintenance and repair service beyond the statutory warranty. This only covers the repair risk of a new machine for the first 12 months after delivery. That's where Fendt Care comes in. With flexible durations and flexible rates with and without excess, the machine can be guaranteed even after the first year. Your Fendt dealer will only install Fendt original parts. These have a proven standard of quality and are safety-tested. This ensures the best value retention for your Fendt machine.

Using the smartphone app "AGCO Parts Books to go", you can find Fendt spare parts quickly and easily and order them directly. The app is available for download in the app store and in the Google Play Store. Your personal access data is available from your Fendt dealer.



## Full control over costs and planning reliability

Fendt Care	Bronze	Silver			Gold <sup>1</sup>	Platinum <sup>1</sup>
Service	Regular maintenance, fixed maintenance costs	Cover against the risk of repair (excludes wear)			All costs covered (except wear and tear)	Costs and availability covered (except wear and tear)
Benefits	Reliability of use	Coverage against major damage	Full coverage under great conditions	Full protection while you keep costs under control	Protect against all unexpected repair risks including all secondary costs	For customers who can't afford to down tools
Regular maintenance	✓	✓	✓	✓	✓	✓
Repair costs		✓	✓	✓	✓	✓
Excess		€490	€190	€0	€0	€0
Travel costs, recovery/towing, troubleshooting with added diagnostics tools, performance testing, oils and filters, if engine/gearbox is repaired					✓	✓
After hours and weekend surcharge						✓
Replacement machine						✓

<sup>1</sup> Valid for UK, Germany and France. Platinum only available at participating dealers.



8 years / 8,000 operating hours

With our new Fendt Care rates, Fendt offers extensive coverage for the reliability and repair risk of new machines. Fendt Care gives you complete cost control with exceptional service. From a service agreement to the full carefree package including replacement machine, Fendt has a flexible and tailored solution for your fleet.

Standard and optional equipment  
 Standard: ■  
 Optional: □

FENDT 1100 VARIO MT

# Equipment variants.

Engine	
Engine pre-heating	<input type="checkbox"/>
Transmission	
Vario TMS - Tractor Management System	■
Shuttle function, stop-and-go function	■
Cruise control	■
Guidance system	
Guidance system basic package	■
Standard Trimble / NovAtel	<input type="checkbox"/>
RTK Trimble / NovAtel	<input type="checkbox"/>
Contour Assistant	<input type="checkbox"/>
Agronomy	
Agronomy basic package	<input type="checkbox"/>
Telemetry	
Telemetry basic package	■
Smart Connect	■
Machine control	
Machine control basic package (ISOBUS)	■
Section Control (SC)	<input type="checkbox"/>
Variable Rate Control (VRC)	<input type="checkbox"/>
Vario operation	
Speed control lever with cruise control and engine speed memory, automatic modes	■
Multi-function joystick with cruise control, engine speed memory, automatic modes, controls for hydraulics	<input type="checkbox"/>
Varioterminal 10.4" with touchscreen and key control	■
Cab	
Mechanical cab suspension	<input type="checkbox"/>
Comfort seat, air sprung	■
Super Comfort Seat, air sprung	<input type="checkbox"/>
Deluxe leather driver's seat	<input type="checkbox"/>
Instructor seat	■
Height and tilt-adjustable steering column	■
Heating with stepless fans	■
Air-conditioning	■
Integrated automatic climate control	<input type="checkbox"/>
Roller shade rear	<input type="checkbox"/>
Roller shade right	<input type="checkbox"/>
Parallel wipers front	■
Rear window wash/wipe	■
Ext. rearview mirror, electrically adjustable, heated	■
Radio CD MP3 hands-free speaking system	<input type="checkbox"/>
Radar sensor	<input type="checkbox"/>

Lighting	
Halogen headlights	■
Rear working lights	■
Work lights A-pillar	■
A-pillar LED work lights	<input type="checkbox"/>
Roof rear LED work lights	<input type="checkbox"/>
Roof front LED work lights	<input type="checkbox"/>
3rd brake light	■
LED rotating beacons	■

Chassis	
ContantGrip suspension	■
SmartRide suspension system	■
SmartRide+ suspension system	<input type="checkbox"/>
Infinite track adjustment	■
Tracks with standard design	■
Tracks with reinforcement	<input type="checkbox"/>
Compressed air system 2-circuit system	■

Power lift	
Tractive power and stepless mixed control	<input type="checkbox"/>
Electrohydraulic power lift sa (EHR),	<input type="checkbox"/>
Externally controlled rear power lift	<input type="checkbox"/>

PTO	
Rear: Flanged PTO 1000/1000E/1300 rpm	<input type="checkbox"/>
External controls for rear PTO	<input type="checkbox"/>

Hydraulics	
EHS valve actuation linear module	■
Load sensing system with axial piston pump (220 l/min)	■
Load sensing system with 2 axial piston pumps (220+220 l/min)	<input type="checkbox"/>
Up to 8 electr. proportional valves	<input type="checkbox"/>
Hydraulic power beyond connection	<input type="checkbox"/>
Unpressurised rear return flow	<input type="checkbox"/>
Double connect-under-pressure lever couplings rear	■

Additional equipment	
Cat. 5 pivoting drawbar	■
Cat. 5 hydraulically adjustable drawbar	<input type="checkbox"/>
Cat. 5 - Cat. 4 drawbar adapter	<input type="checkbox"/>
Front weights, various sizes	<input type="checkbox"/>

FENDT 1100 VARIO MT

# Technical specifications.

Engine		1151 Vario MT	1156 Vario MT	1162 Vario MT	1167 Vario MT
Rated power ECE R 120	kW/hp	376/511	415/564	455/618	495/673
Maximum power ECE R 120	kW/hp	376/511	415/564	455/618	495/673
No. of cylinders	number	6	6	6	6
Cylinder bore/stroke	mm	138/170	138/170	138/170	142/170
Cubic capacity	cm³	15200	15200	15200	16200
Rated speed	rpm	1730	1730	1730	1730
Max. torque at 1450 rpm	Nm	2500	2700	2900	3100
Fuel level	litres	1320.0	1320.0	1320.0	1320.0
AdBlue tank	litres	135.0	135.0	135.0	135.0
Constant power range	rpm	1450 - 1700	1500 - 1700	1550 - 1700	1550 - 1700

Transmission and PTO		1151 Vario MT	1156 Vario MT	1162 Vario MT	1167 Vario MT
Transmission type		TA 400T	TA 400T	TA 400T	TA 400T
Top speed	km/h	40	40	40	40
Engine rpm at rated speed of rear PTO (1000 PTO)	rpm	1614	1614	1614	1614
Engine rpm at rated speed of rear PTO (1000E PTO)	rpm	1255	1255	1255	1255

Power lift and hydraulics		1151 Vario MT	1156 Vario MT	1162 Vario MT	1167 Vario MT
Variable flow pump	l/min	220	220	220	220
Variable flow pump option 1	l/min	440	440	440	440
Working pressure / control pressure	bar	200	200	200	200
Max. valves (front/centre/rear)	number	0/0/8	0/0/8	0/0/8	0/0/8
Max. hydraulic oil filling	approx. litres	125	125	125	125
Max. available hydraulic oil volume	litres	100	100	100	100
Flow rate of control valves (all valves)	litres	140	140	140	140

Electrical features		1151 Vario MT	1156 Vario MT	1162 Vario MT	1167 Vario MT
Max. transferable current ISOBUS socket	A	60	60	60	60

Tracks		1151 Vario MT	1156 Vario MT	1162 Vario MT	1167 Vario MT
Central carrier suspension		SmartRide	SmartRide	SmartRide	SmartRide
Swing angle of the primary suspension	degrees	8	8	8	8
Total width of driving wheel	mm	225	225	225	225
Total width of track roller	mm	224	224	224	224
Standard track		27,5" Standard AG	27,5" Standard AG	27.5" Standard AG	27.5" Standard AG
1st optional track		27,5" Extreme AG	27,5" Extreme AG	27.5" Extreme AG	27.5" Extreme AG
2nd optional track*		30" Extreme APP	30" Extreme APP	30" Extreme AG	30" Extreme AG
3rd optional track*		30" Extreme APP	30" Extreme APP	30" Extreme APP	30" Extreme APP

Dimensions		1151 Vario MT	1156 Vario MT	1162 Vario MT	1167 Vario MT
Track width (for standard track)	mm	2286	2286	2286	2286
Total width for standard track	mm	2985	2985	2985	2985
Overall length**	mm	6758	6758	6758	6758
Overall height - comfort cab	mm	3546	3546	3546	3546
Max. ground clearance	mm	359	359	359	359
Wheel base (driving wheel to the front guiding wheel)	mm	3000	3000	3000	3000

Weights		1151 Vario MT	1156 Vario MT	1162 Vario MT	1167 Vario MT
Unladen weight (base tractor with cab - full tanks, without driver)	kg	18805.0	18805.0	18805.0	18805.0
Max. permissible overall weight	kg	27000.0	27000.0	27000.0	27000.0

\* = Country-specific equipment / \*\* = For belt widths greater than 27.5" and track widths greater than 2,286 mm, the outside width of 3 m does not apply. In the case of outside widths greater than 3 m, country-specific road traffic exemptions may be required.

# Contact Fendt.

## fendt.com

Find everything online – from brochures to technical specifications, from reports about customers or our company to our Fendt event calendar.

## Fendt Configurator

With the Fendt Vehicle Configurator, you can choose from all the available equipment variations and put together the optimally equipped vehicle for your farm. The Fendt Configurator is available online at [www.fendt.com](http://www.fendt.com), where you will find a quick link to it directly on the start page.

## fendt.tv

Fendt around the clock – our Fendt Media Library makes it possible. Our Internet TV provides you with news and information about Fendt 24/7.

## Test drives

Go to [fendt.com](http://fendt.com) and select "Fendt Services" on the "Service" page, select the "Demo Service", then register for a test drive with the tractor of your choice.

# FENDT

It's Fendt. Because we understand Agriculture.



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

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