



**FENDT**

# Fendt 900 Vario





## Fendt 900 Vario.

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## At a glance.

**Fendt 900 Vario - One thing is simple: FendtONE**

Conditions in agriculture are becoming increasingly challenging: From extreme weather events to stricter legal guidelines. With the Fendt 900 Vario with FendtONE, on the other hand, we offer you something, that makes your work easier - both on the machine and in the preparation and follow-up work in the field. With its unique modularity, the Fendt 900 Vario can be perfectly adapted to a wide range of operating conditions.

- Power segment 296 - 415 hp
- FendtONE operating philosophy:
  - new driver workstation (onboard)
  - Planning and management functions with FendtONE offboard
- 9.0 l MAN engine
- Fendt VarioDrive variable all-wheel drive
- Fendt iD low-speed concept
- 2-circuit hydraulic system
- Integrated tyre pressure control system VarioGrip with Fendt Grip Assistant
- Front PTO
- Reverse drive
- Fendt Connect telemetry system
- Individually cut keys

Engine		930 Vario	933 Vario	936 Vario	939 Vario	942 Vario
Rated power ECE R 120	kW/hp	217/296	239/326	261/355	283/385	305/415
Maximum power ECE R 120	kW/hp	217/296	239/326	261/355	283/385	305/415



## Fendt 900 Vario Spotlights.

Here you will find the special Fendt solutions, the so-called Fendt Spotlights, which make the difference and simply make your work better every day.



### 1. Fendt iD low-speed concept

- Perfect tuning of all vehicle components such as engine, transmission, fan and hydraulics and all auxiliary consumers to ideal speeds
- Reaching the highest torque at low speeds
- Permanently low fuel consumption
- Extended life

### 2. FendtONE driver's workstation

- new armrest with Fendt-known elements
- Flexible key assignment via the Individual OperationManager (IOM)
- Up to three displays as an option: 10" dashboard, 12" terminal on armrest, 12" terminal retractable into cab liner
- Colour coding of the different function groups, also for function reassignment
- 3L joystick with reverse button

### 3. intelligent VarioDrive drive

- Independent drive of front and rear axle
- No manual all-wheel drive selection necessary
- Optimum engine/transmission matching in conjunction with Fendt iD low-speed concept
- Smallest possible turning circle due to pull-in turn effect
- Change transmission oil every 2,000 operating hours
- No special oil necessary

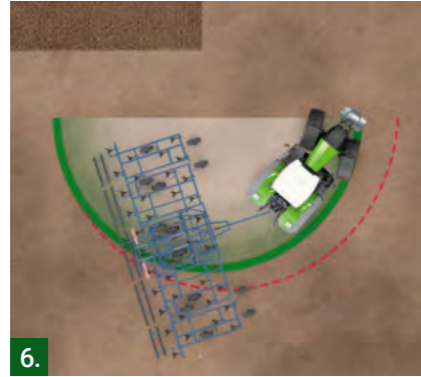
### 4. bonnet camera

- Direct view of the front linkage
- Easier mounting and dismounting of front weights

### 5. self-cleaning air filter

- Air filter is blown out while driving by means of short air blasts
- Reduced maintenance effort





6.

#### 6. Fendt Stability Control

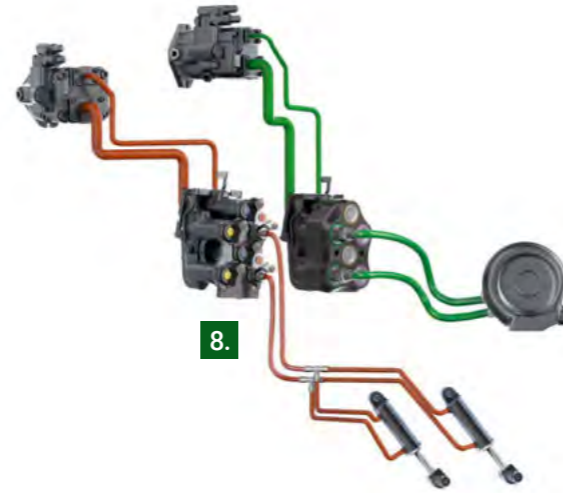
- Automatically reduces lateral inclination at driving speeds above 20 km/h and actively suppresses rolling when cornering
- Increased safety and improved ride comfort

#### 7. optional, integrated tyre pressure control system VarioGrip

- Fully integrated tyre pressure regulation system with on-board valve and air guidance technology
- No risk of air lines being torn off thanks to protected construction
- Simple operation via the terminal

#### 8. two hydraulic pumps with a volume flow of 430 l/min

- Supply of two consumers with different pressure and oil flow rates possible



8.

#### 9. optional reversing device

- Expansion of the areas of application
- Quick 180° rotation of the entire operator's platform thanks to pneumatically assisted rotation device
- Optimum view of implements in the rear

#### 10. smart farming modules - individually selectable

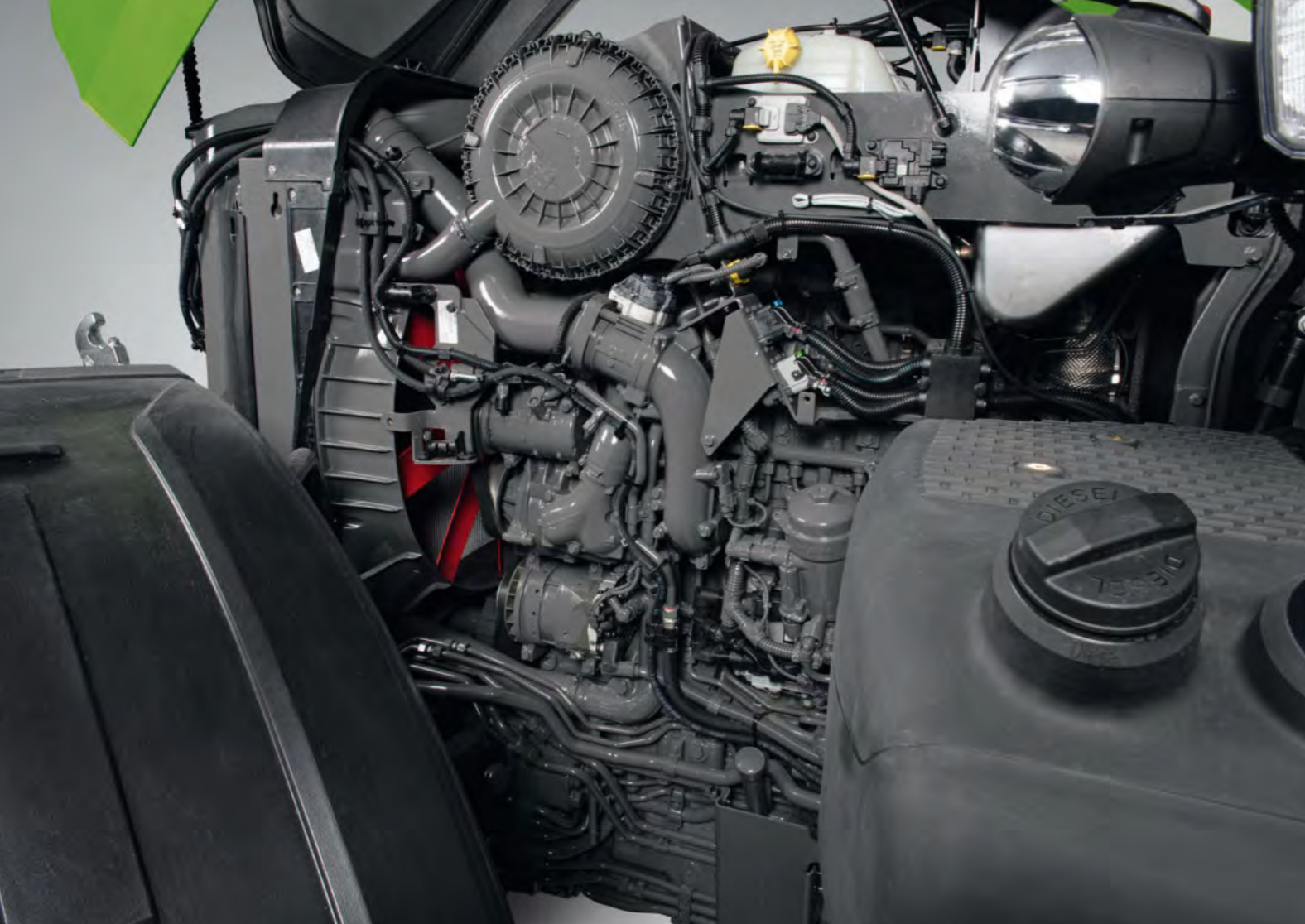
- Four modules from which you can choose as required: Guidance - Agronomy - Telemetry - Machine control- each module consists of a basic package with all necessary start-up applications- Can be expanded as required with options: Fendt Contour Assistant, Fendt TI Headland, Fendt Section Control and Fendt Variable Rate Control, etc.





## Engine.

Dynamic. Long-lasting. Fuel efficient.  
Pioneering technologies are used in the Fendt 900 Vario,  
which make your daily work more economical. And all this  
at full tractive power.



### 1. Features

- MAN engine - 9.0 litre capacity 6 cylinders; 4 valve technology, hydraulics tappets
- Fendt iD technology (low speed concept) - speed range from 650 rpm (idling) to 1700 rpm (rated speed)
- VTG: Turbocharger with variable turbine geometry
- Engine brake: Braking power via VTG turbocharger
- Compliance with exhaust gas regulations Stage 5 (EU) and TIER 4 final
- Hydraulic tappet for automatic valve lash adjustment and smooth, low-vibration engine running



- + Very high power reserves
- + Maximum fuel efficiency through low-speed concept Fendt iD
- + Quiet and fuel-saving idling
- + Low noise level of the engine
- + Reduced maintenance thanks to hydraulic tappets

### Engine - Specially tuned for Fendt 900 Vario Gen7

- Full torque curve and peak torque reached from as low as 1,150 rpm
- Fendt iD enables a speed range of only 650 to 1700 rpm
- Designed for extreme load applications (possible due to power reserves)
- Engine perfectly matched to VarioDrive driveline

### 2. Self-cleaning air filter

- Patented solution from Mann & Hummel
- Total cleaning takes approx. 30 sec.: two short blasts of air blow the air filter free
- Own compressed air tank with 12 bar; control of the compressed air flow via two pulse valves and a solenoid valve
- 10 to 15 times the service life until the air filter has to be tapped out
- Filter cleaning possible while driving
- Filter replacement every two years
- Manual mode and Auto mode- Manual: if the air filter is closed, a pop-up message appears in the terminal, which must be confirmed for cleaning- Auto: if the air filter is closed, it is blown out automatically
- Not retrofittable



- + Fuel efficiency: engine can always be driven to optimise low fuel consumption
- + Fendt iD low-speed concept
- + High torque even at low speeds
- + High dynamics and speed stability due to VTG turbocharger

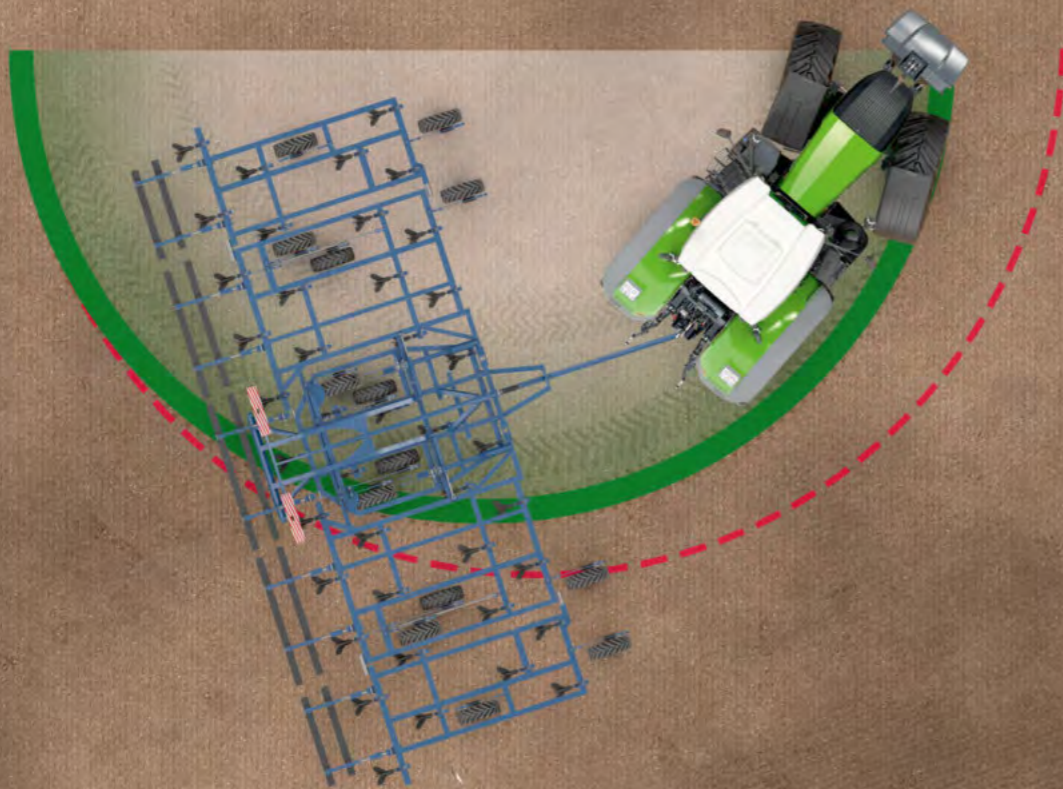




## Transmission.

Fendt VarioDrive - the revolutionary further development of the proven Fendt Vario transmission. Independent drive from the front and rear axles, intelligent all-wheel drive, no range switching and much more make the VarioDrive drive train unique.





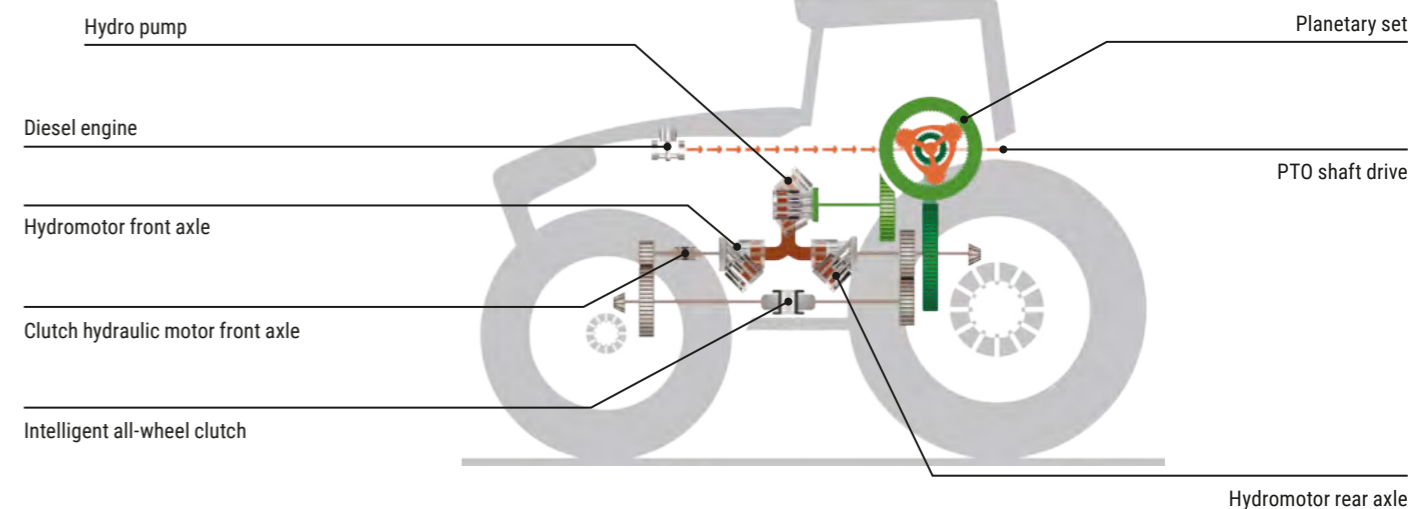
**Advantages**

- + Front and rear axle are driven independently
- + No manual all-wheel drive, driver is relieved of workload
- + Hydromotor on the front axle is swung back at approx. 25 km/h and is decoupled
- + Optimum engine-transmission matching in conjunction with Fendt iD low-speed concept
- + Always the smallest possible turning circle due to pull-in turn effect
- + Change transmission oil every 2000 operating hours
- + No special oil necessary
- + No additional super creeper gearbox necessary
- + Universal application possibilities



**VarioDrive driveline**

- Revolutionary further development of the proven Fendt Vario transmission
- Well-known and 100 % proven in the Fendt 1000 Vario
- Maximum traction in every situation
- No travel range switching
- Stepless travel drive from 20 m/h to 60 km/h (at reduced engine speed)
- Separate hydraulic motors for front and rear axle, which act on the respective axle
- Fully automatic power distribution between front and rear axle with intelligently controlled all-wheel drive
- Large high-performance hydrostats with very high efficiency (370 cm<sup>3</sup>; previously 233 cm<sup>3</sup>)
- Pull-in-turn effect when cornering, especially in difficult situations in the field





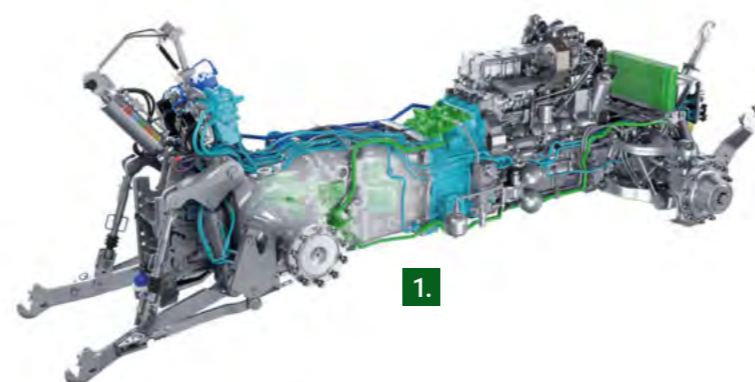
## Hydraulics.

With the modular design of the hydraulic system, you have many options open to you. Regardless of the number of spools at the front or rear, the amount of oil delivered or the choice of spool coupling type. With the Fendt 900 Vario, you have the choice and can make decisions based on your needs.



### 1. Features

- 3 different versions: 165 l/min, 220 l/min or 430 l/min flow rate
- At 430 l/min, two LS pumps with two separate hydraulic circuits are installed
- 1. pump 220 l/min
- 2nd pump 210 l/min
- Pilot pressure generation via LS pump instead of via power steering pump (gear pump)
- High removable oil quantity of 90 litres
- Separate transmission and hydraulic oil balance with heat exchanger concept
- Extended hydraulic oil change intervals of 2,000 operating hours or 2 years (biohydraulic oil 1,000 h or 1 year)



- + High pump capacity of up to 430 l/min for work with high oil volume at low engine speed
- + High operational reliability for units with large oil requirements and various consumers (e.g. air seeder)
- + Low maintenance costs due to long oil change intervals
- + Very good steering response, even with parallel consumption
- + High removable oil quantity ensures secure supply for large consumers
- + Full biohydraulic oil suitability due to separate oil reservoir
- + No oil mixing/dirt ingress
- + Energy saving of up to 2 kW due to new low energy concept for pilot pressure

### 2. Front linkage with cast lower links and lower link frame

- High lifting force: 5,584 daN; 4,070 daN continuous lifting force
- Leakage oil reservoir for front connections integrated in cross pipe support
- Separate hydraulic valve for front linkage (separate from working hydraulics)
- Easy unit attachment due to camera in the bonnet (optional)

#### Variants:

- Comfort ballast pick-up (without lifting cylinder)
- Comfort front linkage (Single acting) cat. 2 with position control
- Comfort front linkage (Double acting) cat. 2 with position and relief control



## Structure.

Equipped for any use. The most varied attachment systems and ballast options or features such as the tyre pressure regulation system VarioGrip guarantee that the Fendt 900 Vario can be used in a variety of ways.



## 2. VarioGrip for flange and stub axle

- VarioGrip available for flange and stub axle. With the row crop variant, pressure adjustment can also be realised with twin tyres.
- Complete integration with on-board valve and air guidance technology
- Complete solution with water-cooled high-performance compressor (double compressor) with 720 cm<sup>3</sup> air flow rate
- Fendt's own development with radial rotary unions on front and rear axle
- Two-wire technology with control and filling line
- Control line opens tyre valve; inflation line is used for inflation and deflation
- Operation via terminal with integrated Fendt Grip Assistant
- Two pressures for front and rear axle can be stored and recalled
- System air pressure is only present during air pressure control/measurement
- Air pressure control also possible at full speed



- + Full integration into the vehicle concept with modified vehicle compressor and own valve technology
- + Up to 10 % more tractive power and reduction of fuel consumption by up to 8 % with 8 % more area output\*.
- + Optimum tuning of the entire vehicle in conjunction with Fendt Grip Assistant
- + No blanket air pressure, but individually adapted tyre pressure for use and ground conditions
- + Increased driving stability and safety during transport work
- + Reduction of rolling resistance to reduce fuel consumption
- + Tyre protection for low operating costs
- + Maximum convenience through simple operation in the terminal
- + Significant reduction of surface pressure for soil conservation

## 3. • Large, sealed storage compartment on the right side

- Spacious, pull-out drawer that angles slightly when pulled out
- Design of the drawer bottom variable through foam inserts
- 3 inserts for the drawer available ex works:
  - Plastic tool box extendable
  - Metal tool box extendable
  - Extendable wash box (approx. 12 l capacity)
- In addition to the inserts, other parts can be safely deposited (e.g. PTO stubs).
- Additional space above for Fendt standard tool box

\*Flexibility of use due to fast filling and draining timesUniversity of Applied Sciences South Westphalia; Agricultural Economics Soest



## 1. Fendt Stability Control (FSC)

- Speed-dependent, self-activating system for lateral stabilisation
- The integrated FSC stabilises the tractor by damping the lateral tilt
- FSC ensures maximum steering precision, driving stability and braking safety in all applications
- From 20 km/h, Fendt Stability Control (FSC) locks the compensation between the right and left side of the front axle suspension, ensuring maximum steering precision, driving stability and braking safety in all applications.

## Intelligently controlled all-wheel drive

- Tractor controls the all-wheel drive fully automatically
- Manual all-wheel drive gearstick completely omitted
- Fendt Torque Distribution: intelligent torque distribution between front and rear axle
- All-wheel drive clutch is closed when high tractive effort is required
- No conventional all-wheel disengagement and engagement (e.g. steering angle controlled when cornering).
- Always full tractive power on the front axle, especially in critical situations



## Cab.

Pure comfort with the spacious Fendt Life Cab. The new driver workplace FendtONE guarantees more functionality, personalization and comfort. The cabin is a place to really feel good.



**1. Cabin suspension**

- 3 different variants\* to choose from:
  1. Mechanical: Front conical suspension, rear mechanical cab suspension.
  2. Pneumatic: Cone suspension at the front, pneumatic cab suspension at the rear.
  3. comfort pneumatic: 3-fold pneumatic cabin suspension
- Even greater ride comfort thanks to optimised cab mounts and even more distance between the pivots
- Suspension is supported behind the rear axle, thus better spring deflection behaviour during braking and acceleration

- Integrated level control
- Interaction of cab, seat and front axle suspension as well as vibration damping at front and rear linkage

\*country specific



- + Maximum driving comfort for long working days, even under extreme conditions
- + Choice of different suspensions to suit every application
- + Sophisticated overall suspension concept



**Reverse drive**

- Pneumatically assisted, the entire driver's platform can be rotated 180
- Use for special tasks (forestry work, municipal work, ...)
- Cooler box on the right-hand side has been placed at a slight angle and no longer needs to be removed when turned
- Comfort passenger seat also possible with reverse drive

**2. Electrically adjustable comfort rear view mirror**

- 3 different variants to choose from:
  - Electric rear-view mirror adjustment & mechanical wide-angle mirror
  - Comfort mirror: rear-view and wide-angle mirrors electrically adjustable
  - Comfort mirror telescopic: rear-view and wide-angle mirrors electrically adjustable & mirror holder extendable and retractable
- As LIN mirror complete integration in vehicle electronics
- Operation in the terminal
- Time function for simultaneous retraction of both mirrors
- Position lights in mirror housing in conjunction with comfort mirrors (EU)
- Best overview of dangerous zones when turning
- Mirror heating



**Infotainment - Overview**

- Electronic platform for entertainment and communication Infotainment package includes four integrative components:
- High-end hands-free kit
  - Highest quality radio reception worldwide
  - Connection of a wide range of external audio sources
  - Fully integrated operation via terminal or rotary knob on the armrest

- Sound system in various expansion stages:  
 Infotainment Package includes four integrative components:
- Infotainment package: 4 premium speakers
  - Infotainment package + 4.1 sound system (from Profi): 4 premium speakers plus subwoofer integrated in sound bar



- + Future-oriented infotainment system with many expansion options
- + Perfectly balanced sound in the cabin
- + maximum operating comfort
- + Complete integration into the vehicle



**Equipment lines with different settings**

Two different settings can be selected for each equipment variant. All illustrations show standard equipment and optionally available front linkage.

**4 different equipment lines**

- Power
  - Power+
  - Professional
  - Pro+
- with "+" always guidance preparation (guidance basic package) included
  - Two different settings (Setting 1 and Setting 2) can be selected for each equipment line.
  - Selection of the desired equipment line right at the beginning of the vehicle configuration
  - new design as an identifying feature that the vehicle is equipped with the new FendtONE driver's workstation.



**Power Setting 1**

- No cross-gate lever
- Two finger tip spools (linear module) for operating the hydraulic valves



**Power Setting 2**

(Identical with Power+ Setting 1)

- No cross-gate lever
- Four finger tip spools (linear modules) for operating the hydraulic valves



**Power+ Setting 1**

(Identical to Power Setting 2)

- No cross-gate lever
- Four finger tip spools (linear modules) for operating the hydraulic valves



**Power+ Setting 2**

- 3L joystick
- Two finger tip spools (linear module) for operating the hydraulic valves



**Profi Setting 1 / Profi+ Setting 1**

- Cross-gate lever
- Four finger tip spools (linear modules) for operating the hydraulic valves



**Profi Setting 2 / Profi+ Setting 2**

- 3L joystick
- Four finger tip spools (linear modules) for operating the hydraulic valves





1.

**1. 12" terminal on the armrest**

- Standard across all equipment variants
- Can be operated by touch and rotary-push button
- Up to six freely configurable tiles per page
- Creation of user profiles to save page views and settings for changing drivers
- Operable by touch and/or rotary-push dial
- Integrated day and night design



- + larger display area (12" instead of 10.7")
- + intuitive operation (similar to smartphones and tablets)
- + Flat menu structure for easy finding of individual functions
- + Possibility of individualisation through freely configurable pages or tiles

**2. 3L joystick**

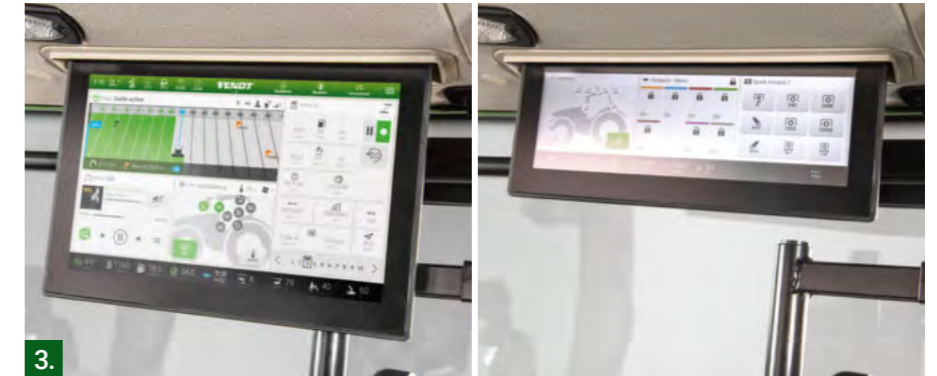
- Optional 3L joystick (for Power+, Profi and Profi+ each Setting 2)
- for operating the 3rd and 4th hydraulic control unit
- Fully ISOBUS-capable
- Up to 27 functions distributed over up to three operating levels (3L - 3 levels)
- additional reverse key
- Functions can be reassigned via the IOM; colour feedback
- Entire 3L joystick can be locked for safety reasons



2.

**3. 12" terminal in the roof**

- Additional 12" terminal in the roof for even more display space
- Functions correspond to the terminal on the armrest
- Can be half retracted into the cab lining: lower half is still visible even in retracted position



3.



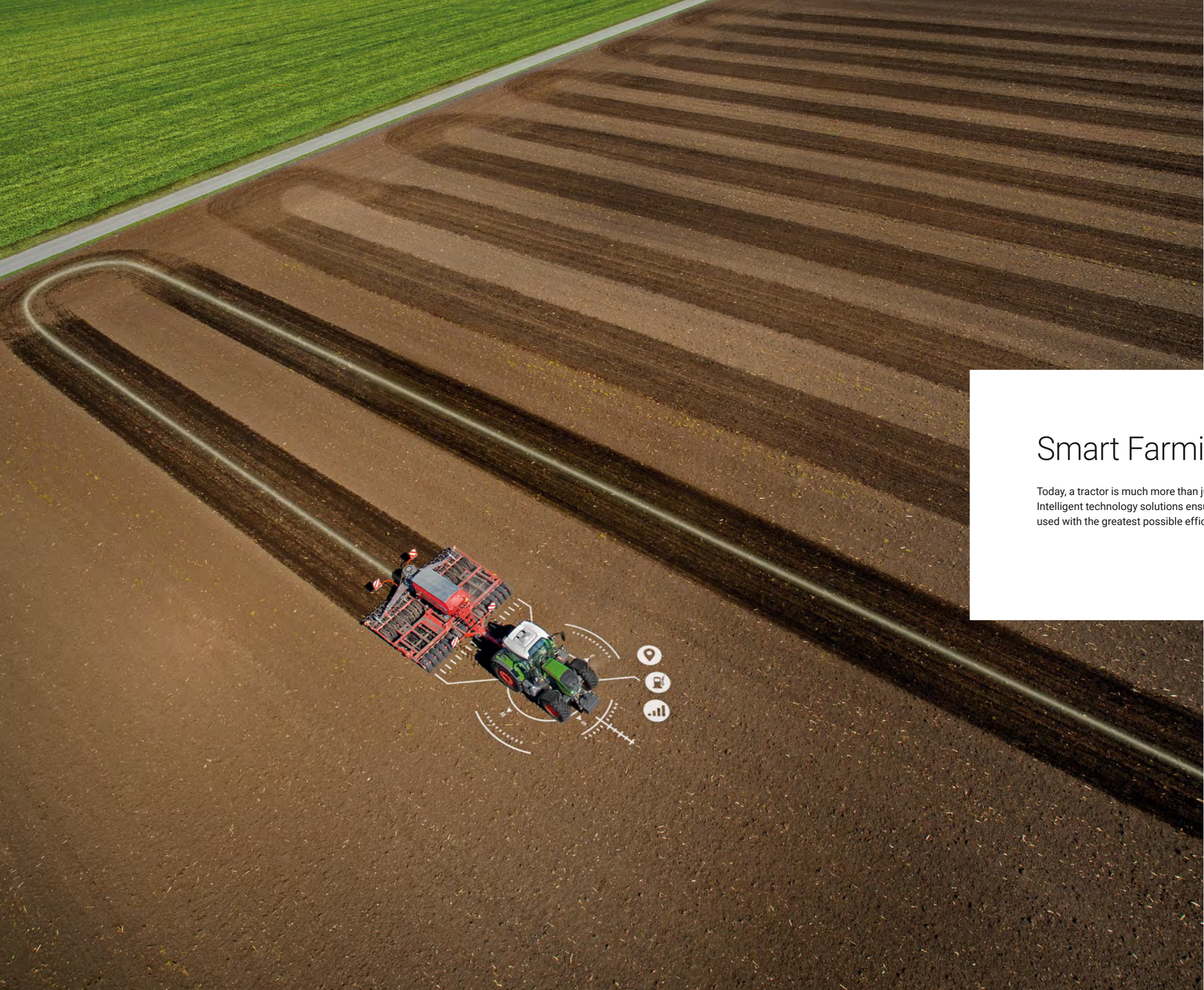
- + best possible driver-specific individualisation of the workplace
- + Simple and intuitive function reassignment through Drag & Drop

**4. Flexible key assignment via IOM (Individual Operation Manager)**

- The key assignment can be conveniently managed via the IOM
- Functions can be placed in the best possible operating location for the driver
- The functions can be placed at the respective operating location by dragging and dropping in the IOM menu.
- Individual key assignment is stored in the respective user profile -> each driver can quickly recall their settings
- 2 ways to access the IOM in the terminal:- Access button on the rotary-push dial- via the icon on the launchpad



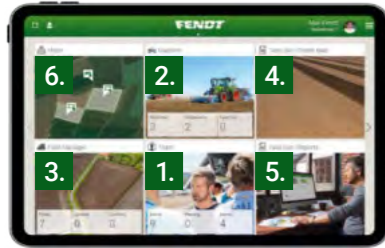
4.



## Smart Farming.

Today, a tractor is much more than just iron and steel. Intelligent technology solutions ensure that the fleet can be used with the greatest possible efficiency.

## FendtONE offboard.



### 1. Comprehensive team management

- Overview of all employees and their roles in the operation (owner, driver, trainee, etc.)
- Varied authorization for different functions in FendtONE (read, write, no access)
- Establishing end dates for accounts

### 2. Efficient machine management

- Central overview of the machine fleet
- Telemetry information such as position, operating hours, error codes, AdBlue and diesel level
- Service information, warranty information, management of licenses

### 3. Precise field management

- Uniform field boundaries and waylines on all machines through rapid, seamless data exchange
- Optimization of AB lines in terms of number and length of waylines as well as the overlapped area

### 4. Simple task creation

- Create task with just a few clicks
- Wireless transfer to the machine
- Easy work coordination with employees: clear task assignment and reporting

### 5. Comprehensive task report

- Clear task report including relevant machine, field and agronomy data
- Time savings in documentation
- Task-related visualization of agronomy and machine data (forward speed, engine speed, application rate, deviation from target value, etc.) in Heat Maps

### 6. Intelligent location management

- Easily find locations that are relevant to operations (fields, field entrances, farmyards, stores) thanks to navigation based on Google Maps
- Simple location of machines
- View of the weather data to support action planning

### 1. More display surfaces

- Digital 10" dashboard: flexible display, important data such as on-board computer, button assignment, etc.
- 12" terminal on the armrest and cab roof: individual display of tractor operation, guidance, ISOBUS devices, infotainment, etc.

### 2. More operation options

- Multifunction joystick: more buttons can be freely assigned (also for ISOBUS function)
- 3L joystick: up to 27 functions across three operating levels (also for ISOBUS functions and operation of the front loader with a 3rd valve)
- Free assignment of buttons on the armrest
- No additional operating elements (terminals, joysticks) are necessary

### 3. Can be personalised

- Creation of user profiles to save settings for different drivers
- Assignment of admin rights
- Personalization of the display surfaces
- Free assignment of buttons and visual feedback to avoid operating errors

## FendtONE onboard.



### 4. Simple operation

- All of the operating elements in one central location
- Intuitive operation (similar to smartphones and tablets)
- Flat menu structure to easily find individual functions
- Colour-coded labelling of the various function groups
- Proportional operation of the linkage
- Proportional operation of the hydraulic valves on the multi-function joystick
- Display of messages in clear text

### 5. Future-proof

- Large memory capacity
- More interfaces
- High connectivity



## Guidance system.

### Guidance basic package

- includes the tractor preparation for guidance and the Fendt Guide application.

### Option

- Choice of receivers (NovAtel or Trimble)
- Fendt Contour Assistant
- Fendt TI Headland (Fendt TI Auto + Fendt TI Turn Assistant)

**+**

- + Relief for the driver: Full concentration on the implement, easy control of the area already worked on.
- + Savings potential: Higher area output through full utilisation of the working width, at the same time minimisation of undesired overlaps and thus reduction of the operating resources required.
- + Sustainable land management: minimisation of soil compaction by reducing the number of passes and optimising turning operations.

### Fendt Contour Assistant

- The Fendt Contour Assistant supplements the known contour line types with the contour lines
  - Contour segments
  - Single track
  - Single track segments
- Available as a software option for the Profi+ equipment variant

### Fendt TI Headland

- Complete package for professional work on the headland
- Consists of the two functions
  - Fendt TI Auto
  - Fendt TI Turn Assistant
- Prerequisite: Fendt Guide (guidance basic package, receiver)

### 1. Receiver selection with Fendt Guide

- 2 different GNSS receivers are possible:
  - NovAtel Receiver
  - Trimble receiver
- Each business can individually select the receiver that best suits its requirements

## Agronomy.

### Agronomy Basic Package

- The Agronomy basic package includes the order-related documentation system Fendt TaskDoc and the associated offboard component
- It includes a three-year TaskDoc server licence, which is required for mobile data transfer between FendtONE offboard (or a farm management system) and the tractor

### Option

- agrirouter

### agrirouter

- Web-based data exchange platform that enables cross-manufacturer data transfer between machines and agricultural software
- Via an agrirouter account, for example, agronomy data can be sent wirelessly from an FMIS to the Fendt terminal and vice versa.
- Data transmission in standardised format
- Can be used in conjunction with FendtONE:



- Through the agrirouter, other farm management systems can also be connected to FendtONE >> wireless data exchange between Fendt terminal and other FMIS\*.

### Prerequisite

- Agronomy Basic Package

\*if the respective agricultural technology or agricultural equipment manufacturer is a member of the agrirouter consortium more information at [www.my-agrirouter.com](http://www.my-agrirouter.com)

**+**

- + Overview of tasks and assignments
- + Simplified documentation of orders and fieldwork
- + complete documentation of the field work
- + also prepared for future documentation efforts





## Telemetry.

### Telemetry Basic Package

The telemetry basic package includes all components for the use of the telemetry solution Fendt Connect

- ACM Box
- Licence for a five-year use of Fendt Connect
- Fendt Connect web application and app

The Fendt Smart Connect product can be ordered as an option (free of charge).

### Fendt Connect

- Fendt Connect is a central telemetry solution for Fendt machines
- Fendt Connect collects and analyses machine data to enable farms and contractors to monitor, analyse and optimise the state and use of their machines
- The mobile data transmission (4G/LTE) enables current machine data to be retrieved from anywhere - via a farm PC, tablet or smartphone

### Fendt Smart Connect

- Fendt Smart Connect can be booked as an option to the basic telemetry package (free of charge).
- With Fendt Smart Connect, machine parameters can be visualised on the iPad, e.g. engine speed, slip, fuel and AdBlue consumption, engine load, etc.
- In addition to mobile radio, the ACM Box is equipped with its own WLAN, which enables data transmission to the free Fendt Smart Connect App.
- With Fendt Smart Connect, the driver is provided with an additional display surface that can be individually adapted
- There is no permanent data storage

## Machine control.

### Machine control basic package

- Prerequisite for further ISOBUS functions
- Simple and intuitive control of ISOBUS implements via standardised, cross-manufacturer interface Standard ISO 11783
- Tractor terminal and implement are connected by means of a socket at the rear

### Option

- Fendt Section Control (SC)
- Fendt Variable Rate Control (VRC)
- Fendt Implement Management (TIM)
- Front unit control

### Fendt Section Control

- Section Control is the automatic part-width section control for ISOBUS implements.
- This function is made possible by the Task Controller Section Control (TC-SC).
- The task controller documents where the area has already been processed and passes on the necessary switching commands to the machine's job computer, which switches the sections accordingly
- Headland mode: possibility to work the inside of the field first and then the headland
- Prerequisites: Fendt Guide, activation of TC-SC on tractor AND implement



### Fendt Variable Rate Control (VRC)

- Variable Rate Control (VRC) is the site-specific control of the application rate of inputs (seed, crop protection products or fertiliser).
- Basis: application map created in advance with the help of an FMIS
- Application map is transferred to the machine as part of an order as an ISO-XML file via mobile radio or USB (Shape format also compatible, transferable only via USB)
- The TC-GEO task controller automatically adjusts the specified target application rates depending on the position.
- After completion of the order, send back an order report with the actually applied quantities to the FMIS.
- Prerequisites: Fendt Guide, Agronomy basic package, Fendt Section Control and activation for the ISOBUS standard TC-GEO for tractor AND implement.

### Tractor Implement Management (TIM)

- With Tractor Implement Management (TIM), an implement can automatically control certain functions of the tractor, e.g. its forward speed or spool valves.
- This is possible as soon as both the tractor and the implement are equipped with the ISOBUS function TIM.
- With the help of TIM, the implement optimises its own workload, the driver is relieved and the team works more productively.
- The Fendt Implement Management (TIM-Steering) enables the machine to receive steering commands from an implement.



## Fendt Services.

A Fendt machine is a high-tech product for the highest of demands. Accordingly, the certified Fendt sales partners offer first-class service.



+44 330 123 9909

You can reach the certified service partners around the clock via the Emergency Hotline.





**The best product under the best protective shield.**

- Extraordinary service partners and service:
- a short distance between our trained service employees and you
  - 24/7 Replacement parts availability during the season
  - 12 month guarantee on Fendt original parts and installation

**100% quality. 100 % Service: Fendt Services**

- Fendt Demonstration Service
- Fendt Expert Driver Training
- AGCO Finance - Financing and Leasing Offers
- Fendt Care - Maintenance and warranty extension
- Fendt Certified – Used machine programme

**Fendt Certified / Fendt Care.**

**Ensure the operation of tomorrow today.**

**Fendt Demonstration Service**

- Get on and try it out, instead of just talking about it
- Basis for an optimal decision-making process

**Fendt Expert Driver Training**

- Exclusive practical training with professional trainers
- Optimization of efficiency by learning all of the functions and exploiting the entire performance potential of the Fendt machine.

**Individual financing and leasing models.**

- Credit financing by AGCO Finance with attractive conditions and flexible terms
- Tailored leasing offers via the Fendt sales partner



**Fendt Certified – Used machine programme**

Used agricultural machines with proven high-quality and certified Fendt quality

- Advantages:
- Certification according to demanding quality standards
  - Extensive initial check (technology, wear, appearance)
  - Meticulous maintenance of wearing parts
  - replacement, cleaning and painting of components as needed
  - one year warranty (can be extended)

**Fendt Care - Maintenance and warranty extension**

- Tailored maintenance and repair service that goes beyond the legal warranty
- Flexible run-times
- Flexible rates with and without deductible
- Only original parts used with guaranteed production quality and tested for functional reliability for optimal value retention of the Fendt machine.



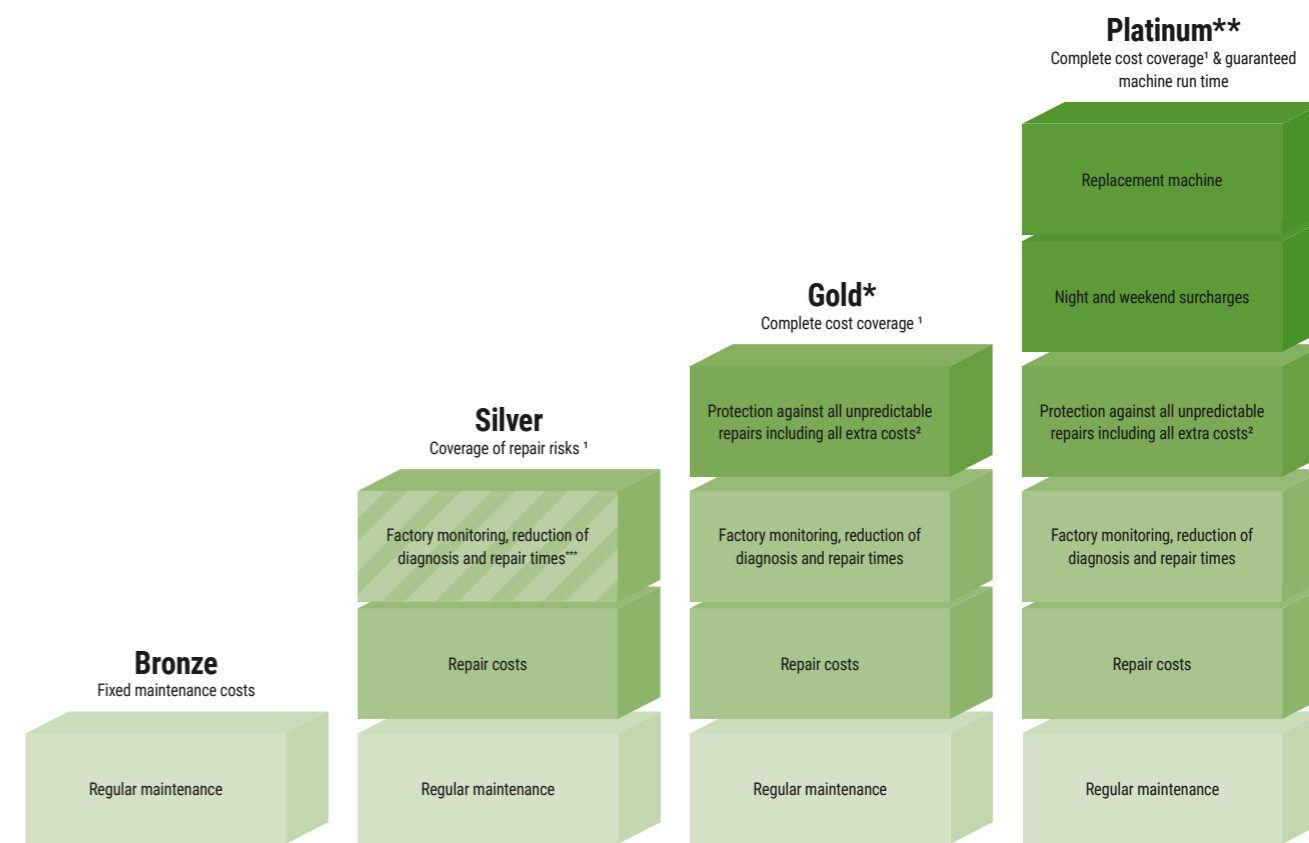
## Planning security.

### Fendt Care Rates

- Comprehensive range of services to ensure operational safety and the risk of repairs on new machines
- Full cost control with the best service
- Tailored solution for the fleet from maintenance contract to complete worry-free package including replacement machine

### Smartphone-App "AGCO Parts Books to go"

- Find replacement parts quickly and order directly
- Download via the App Store or the Google Play Store
- Access data via the Fendt sales partner



	Complete Fendt Portfolio	Complete Fendt Portfolio	Wheeled tractor with Fendt Connect & telescopic handler <sup>3</sup>	Wheeled tractor with Fendt Connect
<b>Available for</b>	Complete Fendt Portfolio	Complete Fendt Portfolio	Wheeled tractor with Fendt Connect & telescopic handler <sup>3</sup>	Wheeled tractor with Fendt Connect
<b>Customer benefit (deductible)</b>	Operation safety of the machine	Coverage of large-scale damage <sup>3</sup> (490 €) <hr/> Comprehensive coverage at attractive rates (190 €) <hr/> Complete coverage with full cost control (0 €)	Complete coverage with full cost control including all extra costs (0 €)	Complete coverage with full cost control including all extra costs & guaranteed machine run time (0 €)
<b>Maximum coverage</b>	8 Years / 8,000 OH	5 Years / 3,000 OH	3 Years / 4,000 OH <sup>4</sup>	5 Years / 25,000 Bales <sup>4</sup>
<b>Warranty extension</b>	5 Years / 5,000 OH	3 Years / 2,000 OH <sup>4</sup>	5 Years / 50,000 Bales	8 Years / 4,000 Pump-H
	5 Years / 750 OH <sup>7</sup>			

OH = operating hours; H = hours; <sup>1</sup> except for wear and tear; <sup>2</sup> travel costs, recovery/towing, fault finding with additional diagnosis tools, use of performance test stand, oils and filters, if motor/drive is repaired; <sup>3</sup> only available for self-propelled machines, RG300 & Momentum; <sup>4</sup> only ISOBUS-equipped devices; <sup>5</sup> only PR, VR & XR; <sup>6</sup> including Rolllector; <sup>7</sup> only Momentum 16 & 24; \*Gold rate for telescopic handler also available without Connect; \*\*Gold rate only available in DE/FR/GB/IT/BG/CZ/EE/HR/HU/LT/LV/LU/MD/RO/RS/SE/SI/SK/UA/AT/LU/NL/CH/BE/BY/NO/PL/DK; \*\*Platinum only available in DE, EN, FR; \*\*\*optional with Fendt Connect

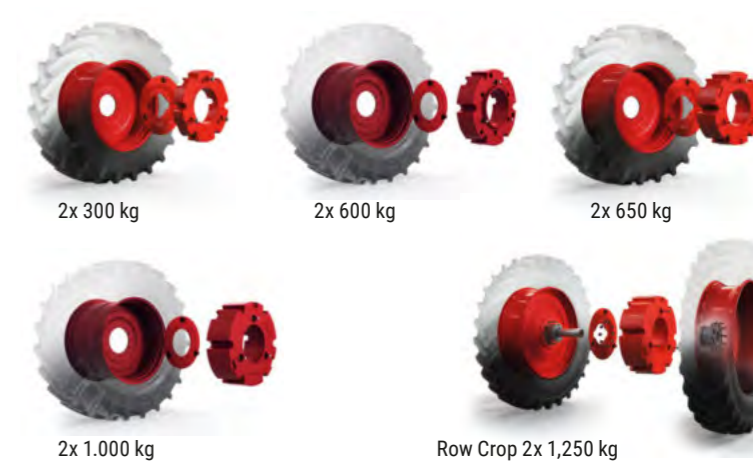




Possibilities for ballasting the front axle:



Possibilities for ballasting the rear axle:



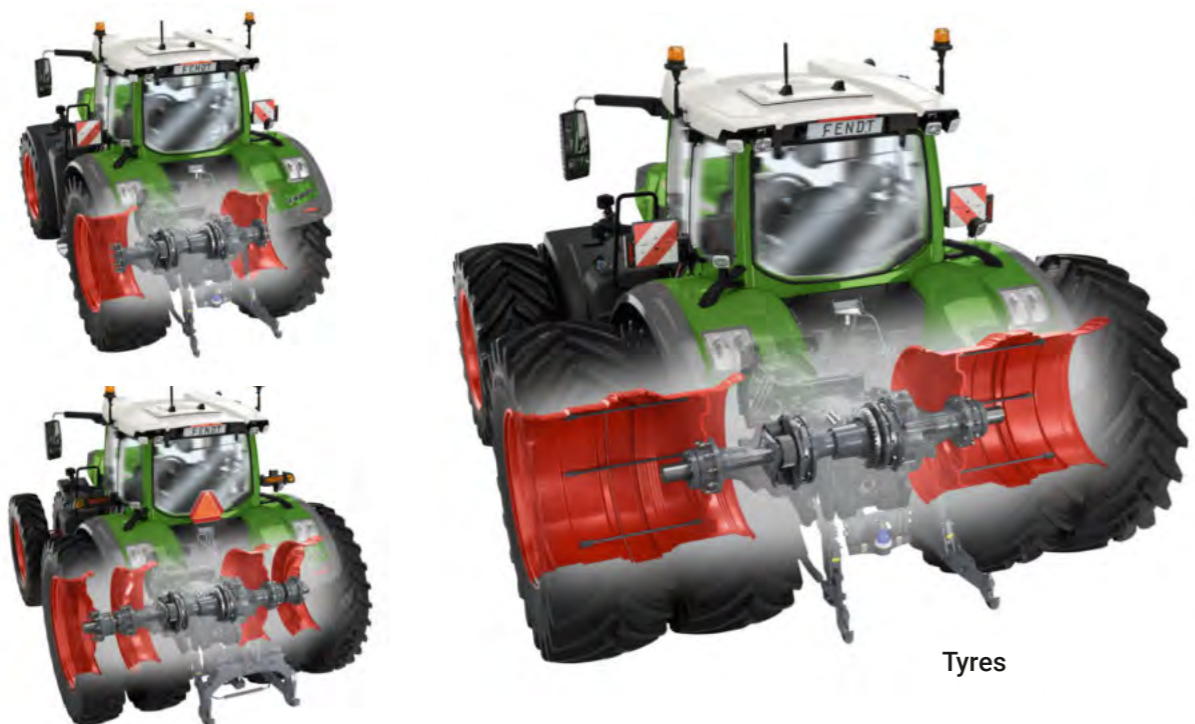
Increased tractive force due to large tyre dimensions

- Rear: 750/70 R44 - Ø 2200 mm
- Front: 650/60 R38 - Ø 1735 mm or
- 900 tyres in the rear: 900/60 R42 (2.07 m track)

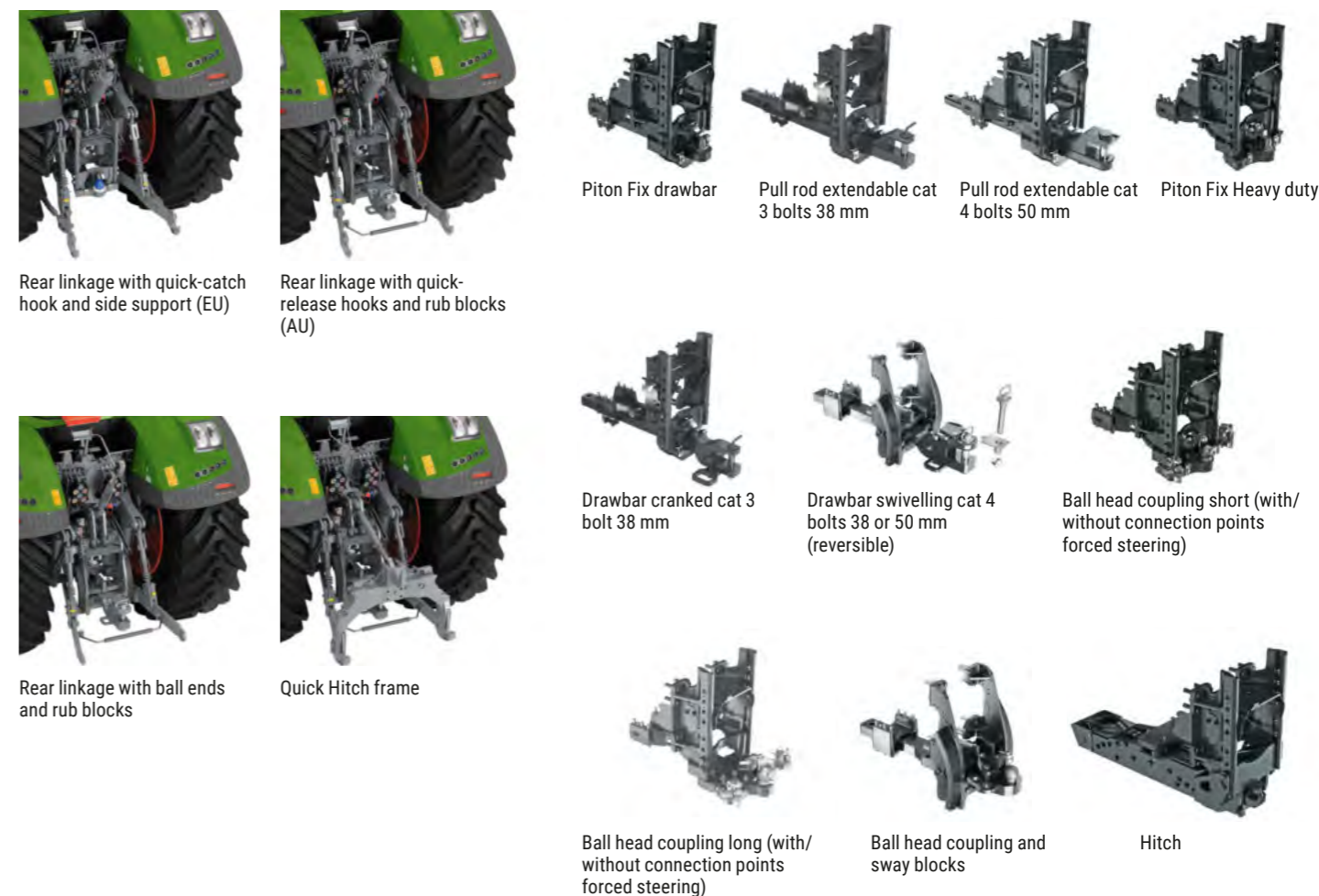
Row Crop

- Rear: 480/95 R50 - Ø 2180 mm
- Front: 380/95 R38 - Ø 1690 mm

Technical Details.



Concept



# Equipment variants.\*

	Power	Power+	Profi	Profi+
<b>Engine</b>				
Reversible fan	□	□	□	□
Fuel pre-filter (heated)	□	□	□	□
Fuel cooler	■	■	■	■
Preheater unit (engine, transmission, hydraulic oil)	□	□	□	□
Exhaust brake	□	□	□	□
<b>Transmission</b>				
VarioDrive with variable torque distribution between the front and rear axle	■	■	■	■
Shuttle function, stop-and-go function	■	■	■	■
Acoustic signal when reversing	□	□	□	□
<b>Guidance system</b>				
Guidance system basic package		■		■
Standard Trimble / NovAtel		□		□
RTK Trimble / NovAtel		□		□
TI Headland (TI Auto & TI Turn Assistant)				□
Contour Assistant		□		□
<b>Agromony</b>				
Agromony basic package		□		■
<b>Telemetry</b>				
Telemetry basic package	□	□	□	■
Smart Connect				□
<b>Machine control</b>				
Machine control basic package	□	■	■	■
Front implement control			□	□
Section Control		□		□
Variable Rate Control		□		□
<b>Vario operation</b>				
Multi-function joystick with cruise control, engine speed memory, automatic modes, controls for hydraulics	■	■	■	■
3L joystick		□	□	□
Individual Operation Manager – flexible key assignment	■	■	■	■
Digital Dashboard	■	■	■	■
12" terminal with touchscreen and key control	■	■	■	■
Second 12" terminal in roof			□	□
Electronic immobiliser	■	■	■	■
Without immobiliser	□	□	□	□
<b>Cab</b>				
Mechanical cab suspension	■	■	■	■
Pneumatic Comfort cab suspension	□	□	□	□
Super Comfort Seat, air sprung	■	■	■	■
Super comfort seat Evolution dynamic / CA	□	□	□	□
Super Comfort Seat Evolution active DuMo leather/CA	□	□	□	□
Super Comfort Seat Evolution dynamic DuMo/CA	□	□	□	□
Integrated automatic climate control	■	■	■	■
Front windscreen laminated safety glass, heated	■	■	■	■
Rear window heated	■	■	■	■
300°-front windscreen wipers (with continuous windscreen)	■	■	■	■
Rear window wash/wipe	□	□	□	□
Side window wash/wipe system right	■	■	■	■
Electrically adjustable rear view mirror + wide-angle mirror	■	■	■	■
Comfort mirror + clearance light	□	□	□	□
Retractable comfort mirror + clearance light	□	□	□	□
Infotainment package	□	□	□	□
Infotainment bundle + 4.1 sound system			□	□
EC tachograph standard	□	□	□	□
Fendt Reaction steering system	■	■	■	■
Radar sensor	□	□	□	□
Reverse drive control	□	□	□	□
Cool box	□	□	□	□

	Power	Power+	Profi	Profi+
<b>Lighting</b>				
Auxiliary LED lights at front	□	□	□	□
3rd brake light	□	□	□	□
<b>Chassis</b>				
Fendt Stability Control	□	□	□	□
Single wheel suspension front axle	■	■	■	■
Pneumatic high-speed dual-circuit braking system 1 pedal	■	■	■	■
Pneumatic high-speed dual-circuit braking system 2 pedal	□	□	□	□
Electro-pneumatic handbrake	■	■	■	■
Electro-pneumatic handbrake (handbrake assist)	□	□	□	□
Automatic trailer steering axle lock	□	□	□	□
Compressed air system 2-circuit system	■	■	■	■
Compressed air Duomatic coupling	□	□	□	□
VarioGrip tyre pressure regulation system	□	□	□	□
<b>4WD / differential locks</b>				
Smart 4-wheel drive	■	■	■	■
Rear / front differential with 100% disc locking and steering angle sensors	■	■	■	■
<b>Power lift</b>				
Tractive power and stepless mixed control		■		■
Single-action Comfort front power lift with position adjustment and external controls	□	□	□	□
Comfort front power lift da, with position control and relief control, external controls	□	□	□	□
No rear power lift	□	□	□	□
Electrohydraulic power lift da (EHR), with external controls	□	□	□	□
Electrohydraulic power lift sa (EHR), with external controls	■	■	■	■
Hydraulic lower link lateral stabiliser	□	□	□	□
Lower link tail arrester cat. 4	□	□	□	□
<b>PTO</b>				
Front: 1000 rpm	□	□	□	□
Rear: Flanged PTO 540E/1000 rpm	■	■	■	■
Rear: Flanged PTO900/1,000 rpm	□	□	□	□
Rear: Flanged PTO 1000/1000E rpm	□	□	□	□
External controls for rear PTO	■	■	■	■
<b>Hydraulics</b>				
External control for hydraulic control unit at rear	■	■	■	■
Load sensing system with axial piston pump (165 l/min)	■	■	■	■
Load sensing system with axial piston pump (220 l/min)	□	□	□	□
Load sensing system with 2 axial piston pumps (220+210 l/min)			□	□
Hydraulic power beyond connection	□	□	□	□
Return rear	■	■	■	■
Unpressurised rear return flow	□	□	□	□
FFC flat-gasket rear hydraulic couplings	□	□	□	□
Double connect-under-pressure lever couplings rear	□	□	□	□
CUP coupling rear	■	■	■	■
Bio hydraulic oil	□	□	□	□
<b>Additional equipment</b>				
Automatic trailer hitch with remote control, rear	■	■	■	■
Ball coupling, height adjustable	□	□	□	□
Ball coupling, short, in the bottom hitch	□	□	□	□
Ball coupling, long, in the bottom hitch	□	□	□	□
Hitch	□	□	□	□
Drawbar	□	□	□	□
Piton-fix	□	□	□	□
Comfort ballast for front-end weight (not available with front power lift)	■	■	■	■
Wheel weights, rear wheels	□	□	□	□
Forced steering (one or two-sided)	□	□	□	□
Wide vehicle marker	■	■	■	■
Removable tool box	■	■	■	■
Retractable metal toolbox	□	□	□	□
Retractable washing bowl	□	□	□	□
Security lock system	■	■	■	■

# Technical specifications.

		930 Vario	933 Vario	936 Vario	939 Vario	942 Vario
<b>Engine</b>						
Rated power ECE R 120	kW/hp	217/296	239/326	261/355	283/385	305/415
Maximum power ECE R 120	kW/hp	217/296	239/326	261/355	283/385	305/415
Constant power ECE R 120	kW/hp	217/296	239/326	261/355	283/385	305/415
No. of cylinders	number	6	6	6	6	6
Cylinder bore/stroke	mm	115/145	115/145	115/145	115/145	115/145
Cubic capacity	cm³	9037	9037	9037	9037	9037
Rated speed	rpm	1700	1700	1700	1700	1700
Max. torque	Nm	1550	1650	1750	1850	1970
Torque rise	%	26.9	22.7	19.4	16.4	15.0
Fuel level	litres	625.0	625.0	625.0	625.0	625.0
AdBlue tank	litres	70.0	70.0	70.0	70.0	70.0
Constant power range	rpm	1350-1700	1450-1700	1450-1700	1550-1700	1600-1700
<b>Transmission and PTO</b>						
Transmission type		TA 300	TA 300	TA 300	TA 300	TA 300
Speed range forward	km/h	0.02-60	0.02-60	0.02-60	0.02-60	0.02-60
Speed range reverse	km/h	0.02-33	0.02-33	0.02-33	0.02-33	0.02-33
Top speed	km/h	60	60	60	60	60
Rear PTO		540E/1000	540E/1000	540E/1000	540E/1000	540E/1000
Rear PTO option		1000/1000E	1000/1000E	1000/1000E	1000/1000E	1000/1000E
Front PTO option		1000	1000	1000	1000	1000
<b>Power lift and hydraulics</b>						
Variable flow pump	l/min	165	165	165	165	165
Variable flow pump option 1	l/min	220	220	220	220	220
Variable flow pump option 2	l/min	220+210	220+210	220+210	220+210	220+210
Working pressure / control pressure	bar	200	200	200	200	200
Max. valves (front/centre/rear) Power / Power+	number	0/0/4	0/0/4	0/0/4	0/0/4	0/0/4
Max. valves (front/centre/rear) Profi / Profi+	Number	2/0/6	2/0/6	2/0/6	2/0/6	2/0/6
Max. available hydraulic oil volume	litres	90	90	90	90	90
Max. lift capacity of rear power lift	daN	12410	12410	12410	12410	12410
Max. lift capacity of front power lift	daN	5584	5584	5584	5584	5584
<b>Tyres</b>						
Front tyres (standard)		650/65R34	600/65R34	600/70R34	600/70R34	650/60R38
Standard tyres rear		710/70R42	710/70R42	710/75R42	710/75R42	750/70R44
<b>Dimensions</b>						
Front track width (standard tyres)	mm	2100	2100	2100	2100	2100
Rear track width (standard tyres)	mm	2000	2000	2000	2000	2000
Overall width with standard tyres	mm	2710	2710	2710	2710	2750
Total height of driver's cab with standard tyres with Fendt Guide	mm	3375	3375	3417	3417	3425
Max. ground clearance	mm	553	553	578	578	603
Wheelbase	mm	3150	3150	3150	3150	3150
<b>Weights</b>						
Unladen weight (base tractor with cab - full tanks, without driver)	kg	11300.0	11300.0	11400.0	11400.0	11780.0
Max. permissible overall weight up to 40 km/h country-specific exception approval required	kg	20000.0	20000.0	20000.0	20000.0	20000.0
Max. permissible overall weight up to 50 km/h country-specific exception approval required	kg	19000.0	19000.0	19000.0	19000.0	19000.0
Max. permissible overall weight up to 60km/h	kg	17000.0	17000.0	17000.0	17000.0	17000.0
Max. trailer hitch load	kg	2000.0	2000.0	2000.0	2000.0	2000.0
Max. permissible front axle load	kg	8500.0	8500.0	8500.0	8500.0	8500.0
Max. permissible front axle load up to 8 km/h	kg	9500.0	9500.0	9500.0	9500.0	9500.0
Max. permissible rear axle load (country-specific)	kg	11500.0	11500.0	11500.0	11500.0	11500.0

\* Please refer to the Settings for equipment variants

# FENDT

It's Fendt. Because we understand Agriculture.



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Your Agriculture Company

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