

Fendt e100 V Vario

Think #ePossible



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e107 V Vario

Rated power in accordance with ECE R85	kW/hp	50/68
Continuous power in accordance with ECE R85	kW/hp	55/75
Peak power in accordance with ECE R85	kW/hp	66/90

Product presentation

FENDT

Fendt e100 V Vario - Overview.







General

Overall concept	5
High voltage	11
At a glance	15
Spotlights	16

Introduction

Introduction	18
Electric drive system	22
Transmission	39
PTO	47
Hydraulics and power lift	53

Cab	77
Build – frame	110
Axles	115
Fendt Smart Farming	123
Technical Specifications – Overview	146

Quick overview.

Overall concept		PTO47		Axles	115
<u>-</u>		Concept	48	Front axle – all-wheel management	116
Introduction	18	Front and rear PTO	50	Front axle - differential locks	117
Innovations an changes	19	Controls – settings	51	Front axle suspension	119
Profi equipment line	20			Rear axle concept	121
Profi+ equipment line	21	Hydraulics and power lift	53	Rear axle – brake system	122
		Hydraulics design	55		
Electric drive system	22	Circuits and pumps	58	Fendt Smart Farming	123
Concept	23	Hydraulic mounting spaces	59	Equipment variants	124
Drive components	24	Equipment options	60	Fendt TI headland management system	125
Charging process	25	Working hydraulics	64	Guidance system	128
Charging options	27	Front power lift	68	Machine control	133
Charging management	28	Rear power lift	70	Fendt SectionControl	134
Inverter and electric motor	30	·		Fendt VariableRateControl	136
Auxiliary consumers	31	Cab	77	Fendt Implement Management	137
Operation	32	Concept	78	Agronomy	138
Start-stop function	34	Equipment	79	Fendt Task Doc	139
Power management system	35	Ventilation – Air conditioning – Auxiliary heating	95	Fendt TI headland management system	140
Recuperation	36	Infotainment package	99	Fendt TI Headland	141
Cooling unit	37	Windscreen wiper	101	Telemetry	142
Cooling concept	38	Lighting	102	FendtONE concept	143
		FendtONE operating philosophy	105		
Transmission	39			Technical Specifications – Overview	146
Transmission concept	40	Build – frame	110	Technical Specifications	147
Vario function	43	Modular design with slender frame	111	Equipment variants	150
Tractor Management System (TMS)	44	Chassis – Steering systems	112		
Customer Benefits	45	Chassis – Assistance systems	113		
Automatic load limit 2.0	46	Ballast	114		

At a glance.

The main arguments:

- Battery-electric tractor with Vario transmission
- Virtually emission-free in operation when using green electricity
- Utilisation of self-generated energy is possible
- Very quiet
- No exhaust emissions
- Lower maintenance requirement





Fendt e100 Vario | Value Proposition.











Sustainability

• CO₂ reduction

Health

- Lower noise
- No local exhaust fumes

Power

- Eco Mode: 50 kW / 68 hp
- Dynamic Mode:55 kW / 75 hp
- Dynamic⁺ Mode:
 66 kW / 90 hp
 (over a limited period of time)
- Battery capacity: 100 kWh
- Charging capacity 22 kW
 AC / approx. 80 kW DC

Ease of use

- New climate control concept with, for example, auxiliary, seat and front window heating
- Lower vibrations

Profitability

- Maintenance costs of approx. 1/3 less
- Extended operating times and areas



Fendt e107 V Vario vs. 207 V Vario.





Engine	kW	Fendt e107 V Vario	Fendt 207 V Vario
Rated power in accordance with ECE R85	kW/HP	50/68	53/72
Peak power in accordance with ECE R85	kW/HP	55/75	58/79
Peak performance	kW/HP	66/90	-
Transmission			
Vario transmission		ML70	ML70
Rear PTO		540/540E/1000	540/540E/1000
Hydraulics			
Max. Lifting capacity rear / front	daN	2775/2340	2775/2340
Hydraulic pump	l/min	33+42 / 48+71	33+42 / 48+71
Extractable oil volume	I	25	25
Wheel base			
Wheel base	mm	2,290	2,290
Weight			
Operating weight	kg	approx. 3,100	2,900
permissible overall weight	kg	4,800	4,800

Fields of application.

Very diverse fields of application in wine-growing, fruit cultivation, hops, strawberries, asparagus, greenhouse cultivation, use in nurseries, vine nurseries, gardening and landscaping, at contractors (especially with services in the wine-growing sector), in municipal use e.g. on pavements, cycle paths and park facilities.

















Customers.

Local

- Town/large cities
- Low emission zones due to high air pollution
- Applications for green space maintenance
- Mowing of park facilities
- Disposal of foliage
- Winter service

Agricultural viticulture and fruit cultivation



- Vineyard
- Production of high-quality wines
- Operational focus
 - Foliage work
 - Soil care (mulching)
 - Mechanical lower stalk care
 - Harvest

Agricultural vegetable growing



- Vegetable farm
- Field vegetable cultivation and greenhouse/ polly tunnel
- Mechanical weed control
- Application of smart farming technologies

Main arguments.



Sustainability

- Avoidance of CO₂
- Eco Mode
- Smart Farming

Environmental protection, climate protection



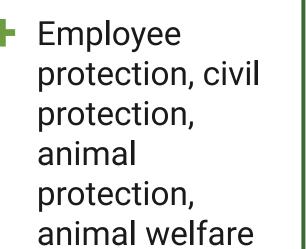
Health

- Low noise pollution
- No exhaust fumes
- •e107 V Vario: Cat. 4 cab

+ Employee protection, animal protection,



- Dynamic⁺ Mode
- Powerful hydraulic



Performance

- Start-Stop function
- system



Ease of use

- Familiar FendtONE operating concept
- Parking heater
- Heated seat
- Windscreen heater
- Low vibration
- Quiet
- Automatic climate control
- Front axle suspension



Safety

- No risk of burns
- · Immobiliser
- Good all-round vision



Profitability

- Low maintenance costs
- Low energy costs
- Support
- All implements can still be used

High voltage definitions.

High-voltage concept according to DGUV I 209-093

- High-voltage (HV) includes voltages according to UNECE R100
 - > 60 V and ≤ 1500 V Direct current (DC) or
 - > 30 V and ≤ 1000 V Alternating current (AC) in vehicle technologies.
- HV components provide a voltage in vehicles according to the definition "high voltage" or are operated with this voltage.
- •HV system is made up of at least two HV components.
- Work within the meaning of this DGUV information is any form of electrotechnical or non-electrotechnical activity on vehicles or HV components where there is a possibility of an electrical hazard.
- Work in a voltage-free state is work on or with HV components or in their hazardous area, the absence of voltage of which has been established and ensured for the duration of the work.
- Work on live HV systems is all work where employees can touch HV components or parts with parts of their bodies or objects (tools, ...), if the voltage-free state is not ensured and an electrical hazard cannot be ruled out.



High voltage definitions.

High-voltage concept according to DGUV I 209-093

- Expert management assumes the technical & managerial responsibility. They must be competent within their area of responsibility and must be commissioned in writing by the contractor.
- High-voltage qualified person (FHV) 2S is a person who has the necessary expertise to perform certain tasks on a high-voltage system.
- Management and supervision includes all activities on HV systems performed by employees who do not have the knowledge and experience of a UAS (University of Applied Sciences) to perform them properly and safely.
- Qualified instructed person (FuP) 1E is a person who has been instructed and, if necessary, trained by a UAS on the tasks assigned to them and the possible hazards in the event of improper behaviour and who has been instructed on the necessary protective equipment and protective measures.
- Informed person S is anyone who has been instructed in the proper use of HV vehicles and components, including connecting them to the charging equipment and topping up fuels.



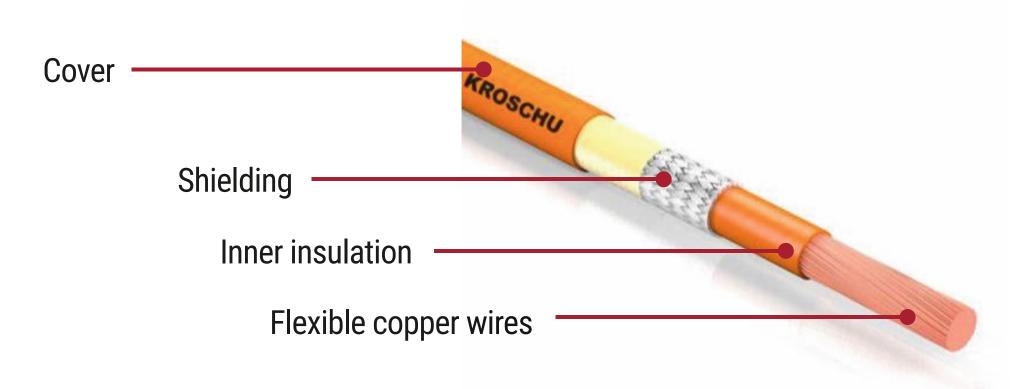
High voltage lines on the vehicle.

Operating vehicles and associated HV equipment

ECE-R 100:

- ... all lines carrying more than
- 30 volts AC or
- 60 volts DC

must be specially protected, especially in the passenger and load compartment areas.





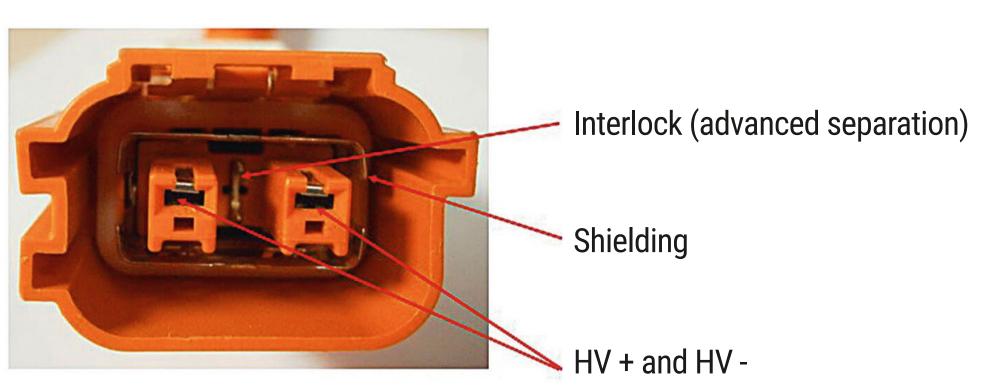


Safety measures for the e100 V Vario.

Operating vehicles and associated HV equipment

Safety measures for the e100 V Vario:

- The vehicle is intrinsically safe for high voltage.
- Technical measures ensure complete contact and arc protection on the HV system:
 - Automatic discharge of possible energy stores before reaching live parts
 - Cable connections via plugs in arc-safe design and not via screw connections
 - Shut-down when covers of the HV system are removed



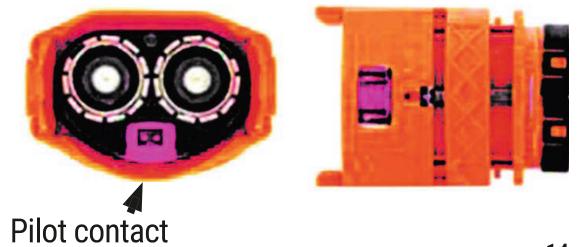
AC loading plug



DC loading plug



14



Overall concept.



>> Sustainability

For our sustainable future

Our new Fendt e100 Vario stands for sustainability and environmental protection. With its electric drive, it is the first tractor in series production to operate without emissions. This is accompanied by an enormous avoidance of CO, and thus an important contribution to climate protection. If you rely on renewable energy, the Fendt e100 V Vario offers the option of using your selfproduced energy for recharging, making it even more sustainable. With the first electric tractor, you are making an important contribution to environmental protection and helping to make the country air even cleaner.

>> Health

For a healthier working environment

With low noise levels and no exhaust fumes, the Fendt e100 V Vario is ideal for use in cities and environmental zones with high air pollution. It is also ideally suited for green space maintenance, winter service or disposing of foliage. But that's not all: the Fendt e100 V Vario is just as ideal for use in agriculture, viticulture, orchards and other special crops. If it is important to you to protect your employees from noise and exhaust fumes, then the Fendt e100 V Vario is the perfect choice.

>> Performance

For maximum performance

The Fendt e100 V Vario is not only environmentally friendly and healthconscious, but also a powerful compact tractor. Its innovative technology guarantees the highest quality and reliability. With the Dynamic+ mode, it enables optimum performance – even under difficult conditions. The Start-Stop function saves energy and extends maintenance intervals by reducing the number of operating hours. The powerful hydraulics offer precise control and fast workflows. And so, the Fendt e100 V Vario is the perfect partner for efficient and powerful farming.

>> Comfort

For the highest comfort

In addition to environmental friendliness and performance, comfort is not neglected either. The new heating concept with auxiliary heating, seat heating and windscreen heating ensures pleasant temperatures in winter. The automatic climate control guarantees perfect temperature control in summer. The Fendt e100 V Vario is low-vibration and quiet, which makes it comfortable to work with. With the proven FendtONE operating concept, operation is simple and intuitive. The Fendt e100 V Vario is therefore the ideal tractor for a pleasant and relaxed working environment.

>> Safety

For more occupational safety

The new Fendt e100 V Vario not only takes you safely into the future, but also gets you safely through the working day. Thanks to the electric drive, there is no risk of burns and thus a higher level of safety. The elimination of the exhaust pipe provides even better allround visibility, which in turn reduces the risk of accidents. You can work safely and worry-free with the Fendt e100 V Vario.

>> Profitability

For long-term savings

With low maintenance costs and low energy costs, the Fendt e100 V Vario saves money in the long term. The Fendt e100 V Vario enables extended operating times and areas, which increases efficiency. All implements can still be used. The Fendt e100 V Vario is therefore an investment in the future and a guarantee for economic efficiency.



Fendt e100 V Vario – Spotlights.



1. Electric drive system

- Electric motor from Danfoss
- Battery incl. BMS (Battery Management System) Capacity >= 100 kWh gross
- Heating water heater (700 V)
- AC 22 kW onboard charging system
- DC charging ≈ 80 kW (CCS2)
- PDU (Power Distribution Unit)
- Insulation monitor
- DC/DC converter (700 V <-> 12 V)
- Extended service life thanks to electronic components

2. Vario transmission

- Maximum driving comfort
- Continuously variable speed adjustment
- Long-term tested, reliable transmission
- Permanent power transfer

3. Thermo-management system

- Cooling (2 x 12 V electric fans)
- 700 V air conditioning compressor

4. Automatic Start-Stop

- Energy saving by switching off the motor at standstill
- Noise reduction

Here you will find the special Fendt solutions. Fendt Spotlights, which make all the difference too you. and make your working day go much faster.



5. Cab

- Spacious comfort cab with extended windscreen and excellent all-round view with 4-pillar cab
- Additional switch for the charging plug lock in the steering column
- 12" Terminal
- Optional heatable front and rear windscreens
- Optional heatable floor matt
- Recuperation button

6. Operator's seat

Seat heating as standard

7. High-performance hydraulics

- Up to 6 hydraulic valves
- Power Beyond
- Up to 119 l/min flow rate
- Optional FFC couplings



Fendt e100 V Vario - Spotlights.



17

8. Implement interfaces

- · Output for PTO shaft on front electric motor
- Intermediate axle installation space with four double acting valves on the right and two valves on the left for optimum control of sophisticated implement combinations
- Large clearance with a width of up to 45 cm to easily guide the equipment into place
- Optional: central Power Beyond connection
- Rear power lift with load-relief

9. Cab with Cat. 4 filter protection system

• Exchangeable filter system from the factory according to EN15695: protection against dust, pesticides and their vapours

10. Wheels

- Same tyres as for 200 V Vario possible
- Municipal tyres
- Energy-saving tyres (tread optimised for rolling resistance)

Here you will find the special Fendt solutions. Fendt Spotlights, which make all the difference too you. and make your working day go much faster.



11. FendtONE onboard

- · Simple, customisable operation with central arrangement of all controls
- 3L joystick with reverse button and up to 27 functions on three operating levels
- Combination of two display options: 10" dashboard, 12" terminal in the roof
- Extensive automation of processes via Section Control, TI Headland and TIM

12. FendtONE offboard

- Agronomy: Plan activities in the field and receive comprehensive reports
- Guidance: manage field boundaries and way lines and keep them consistent across the fleet
- Telemetry: monitor key machine data and live fleet positions in the field

Introduction.



Innovations and changes

Profi equipment line

Profi+ equipment line





Innovations Fendt e100 V Vario.

New functions

- Start/Stop function
- Electric immobiliser
- Selectable operating modes/power management (Eco, Dynamic, Dynamic⁺)
- Heated front window (LSG)/rear window (optional)
- Heated floor mat (optional)
- Air condition timer ("auxiliary heater")
- Battery charge & condition timer
- Automatic battery disconnect switch
- Recuperation analogous to engine drag torque (combustion engine)
- >> increased recuperation by pressing the foot switch

Variants/equipment

- Power stops, only Profi & Profi+
- If dual line, then no intermediate implements possible
- Automatic climate control is standard
- LED lighting is standard
- Regulator pump is standard

Profi equipment features.





Version Profi: Setting 1/Setting 2:

Images also show optional accessories.

Profi Setting 1

- Cross-gate lever
- •Two fingertip spools (rocker pair) to control hydraulic valves
- •12" terminal in the roof





Profi Setting 2

- •3L-Joystick
- Two fingertip spools (rocker pair) to control hydraulic valves
- •12" terminal in the roof





Profi+ equipment features.





Version Profi+: Setting 1/Setting 2:

The images also show optional accessories.

Profi+ Setting 1

- Cross-gate lever
- Two fingertip spools (rocker pair) to control hydraulic valves
- •12" terminal in the roof





Profi+ Setting 2

- •3L-Joystick
- Two fingertip spools (rocker pair) to control hydraulic valves
- •12" Terminal in the roof





Electric drive system.

Concept

Drive components

Charging process

Charging options

Charging management

Inverter and electric motor

Auxiliary consumers

Operation

Start-stop function

Power management system

Recuperation

Cooling unit

Cooling concept



Concept.

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Features:

- Basic vehicle corresponds to 200 V Vario
- Combustion engine is replaced by electric motor with associated peripherals

Settings:

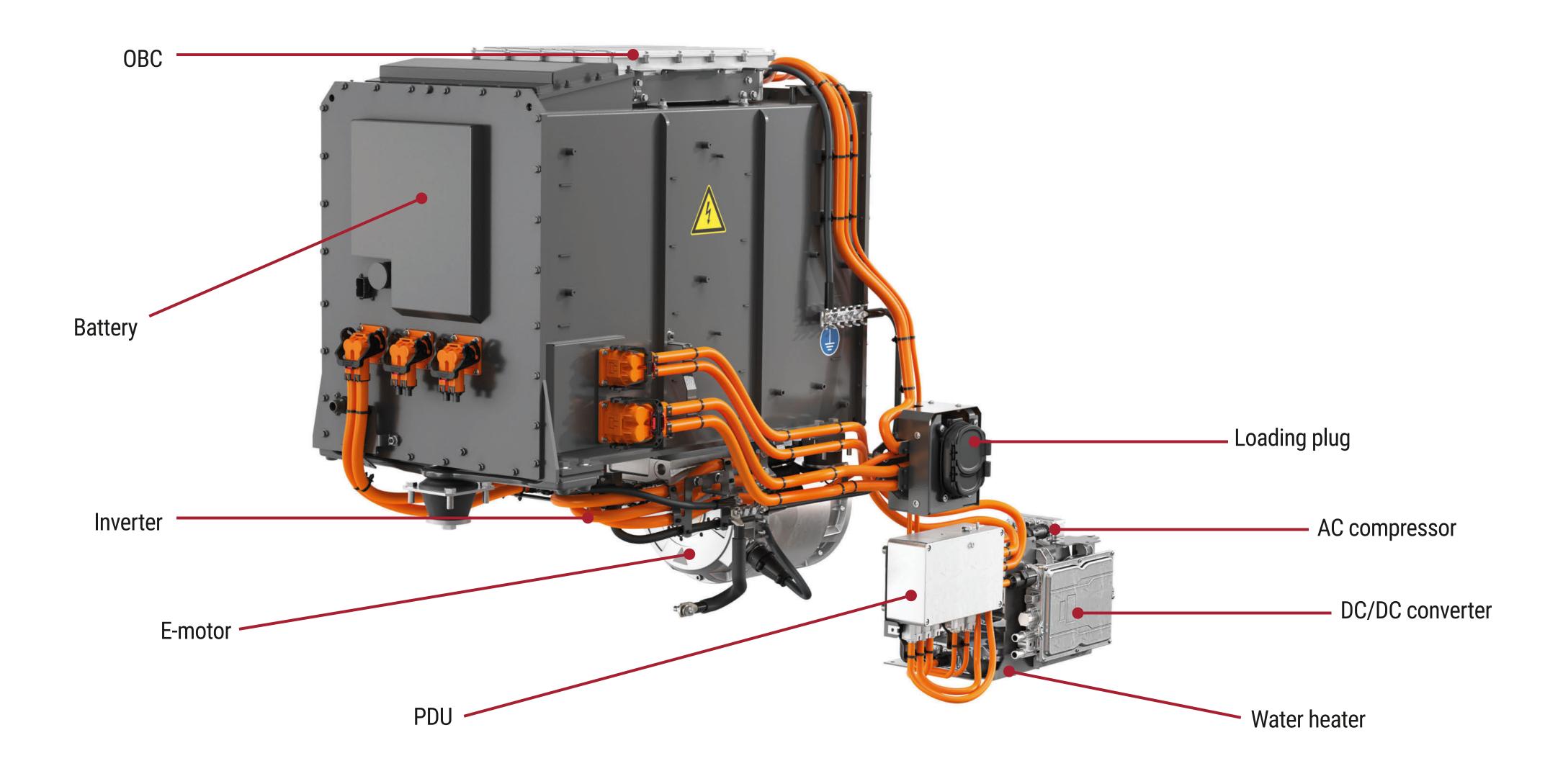
- Constantly high tractive power cannot be realised at low speeds or high transport speeds without changing the transmission ratio >> therefore use of the Fendt Vario transmission
- Battery: (Manufacturer, BMZ)
- •100 kWh capacity
- 22 kW AC charging rate
- Approx. 80 kW DC charging rate
- 20% 80% SOC in 45 minutes
- Charging plug type CCS2 (automotive standard)
- Water heater 10 kW
- PDU (Power Distribution Unit) distribution box
- E-motor



- + CO₂ Saving
- No local emissions
- + All device interfaces remain unchanged and all existing implements can continue to be used

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Drive components.



Charging process.

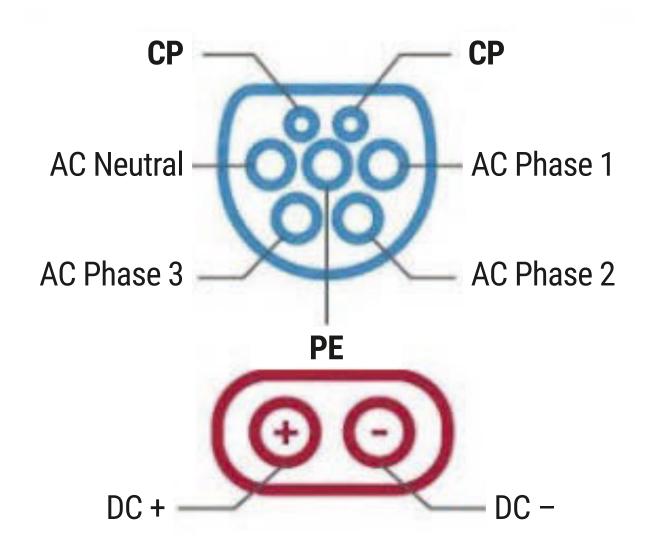
The abbreviations AC/DC stand for the two different types of current that can be used for charging:

- AC refers to the alternating load current.
- •DC refers to the direct load current.

The main difference between AC and DC charging is, first of all, the place where the alternating current (from the mains) is converted into direct current (for charging the batteries). With AC charging, the conversion takes place in the tractor itself. This requires a built-in converter, a so-called on-board charger (OBC), which takes the alternating current and converts it into direct current via several converters.

When charging at a DC charging point, the OBC can be bypassed because there is a current transformer in the charging station itself.

CCS2 - plug



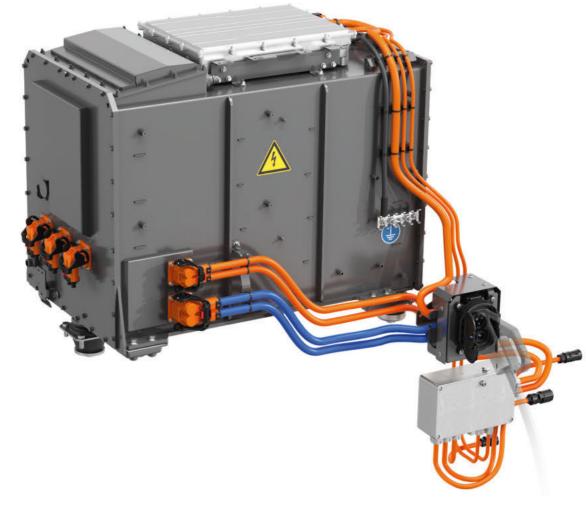


Charging process.



OBC for AC charging:

- Takes over the communication during the charging process
- Converts single-phase alternating voltage/ three-phase current into direct current
- Max 22 kW possible
- DC voltage converter ensures correct charging voltage



OBC for DC charging:

- Takes over the communication during the charging process
- Max 80 kW possible
- The current is fed directly into the battery
- External charging unit required (AC/DC converter)

Charging medium

Charging rate

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Charging options.

AC – charging option

Charging cable 220 V / Schuko plug	Mobile charging station/ charging cable	AC Wall box	
approx. 1.5 kW	1.5 – 22 kW	11 kW/22 kW	

DC – charging options

DC Wall box	Mobile DC charging station	DC fast-charging station
30 kW	up to 90 kW at 128 A input	over 100 kW

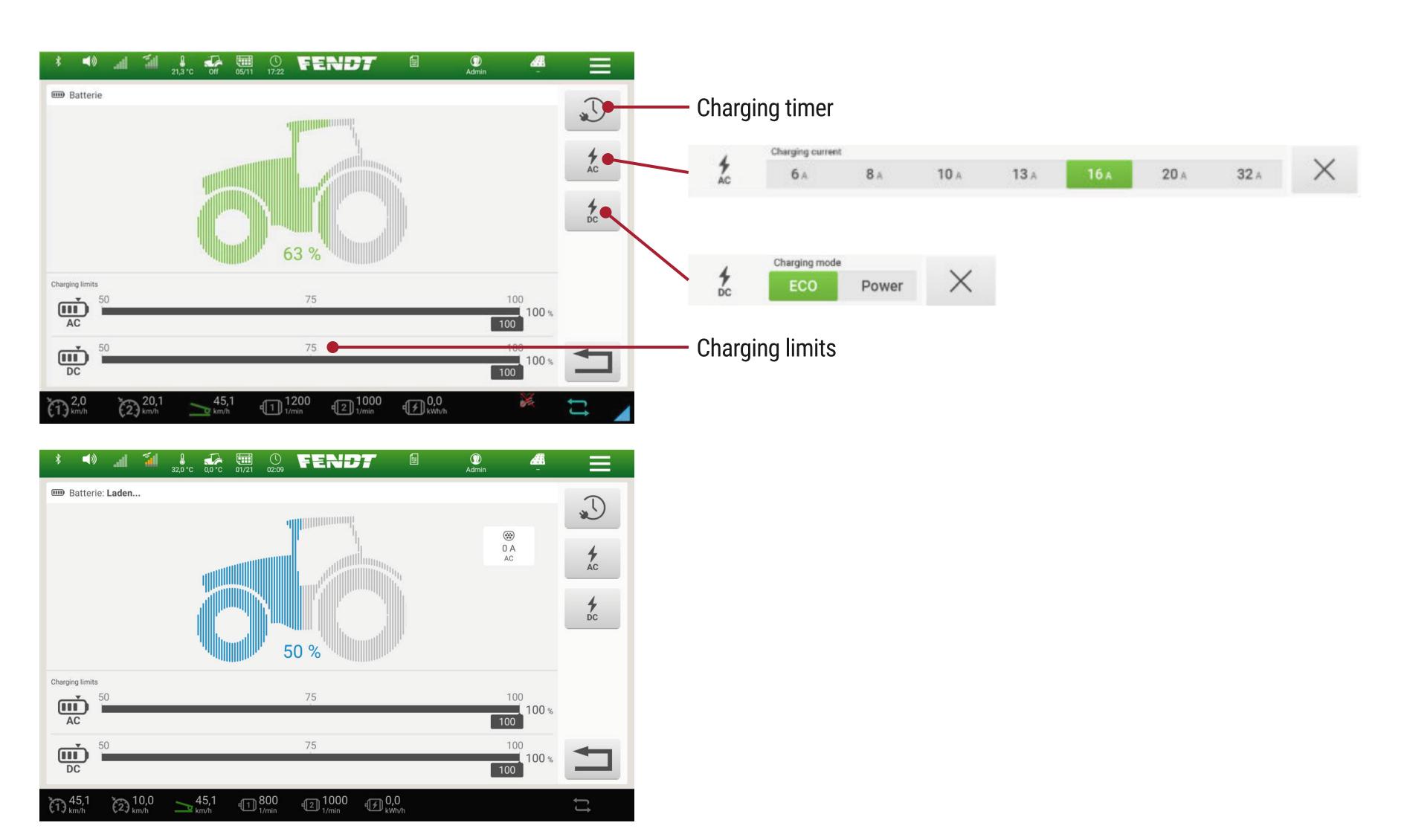
Charging times.

Socket	Charging rate	80% Battery capacity
32 Ampere	20 kW	4 hours
64 Ampere	40 kW	2 hours
125 Ampere	80 kW	1 hour





Charging management.



Charging management.

Departure times can be entered in the terminal.

Automatic charge management ensures that the battery is fully charged at the specified time and the battery is brought to operating temperature (battery conditioning) >> Several timers can be preset, e.g., for different days of the week

- + Highest possible battery care
- Vehicle is ready to leave at the specified time
- + Battery is automatically preheated, so maximum energy can be used



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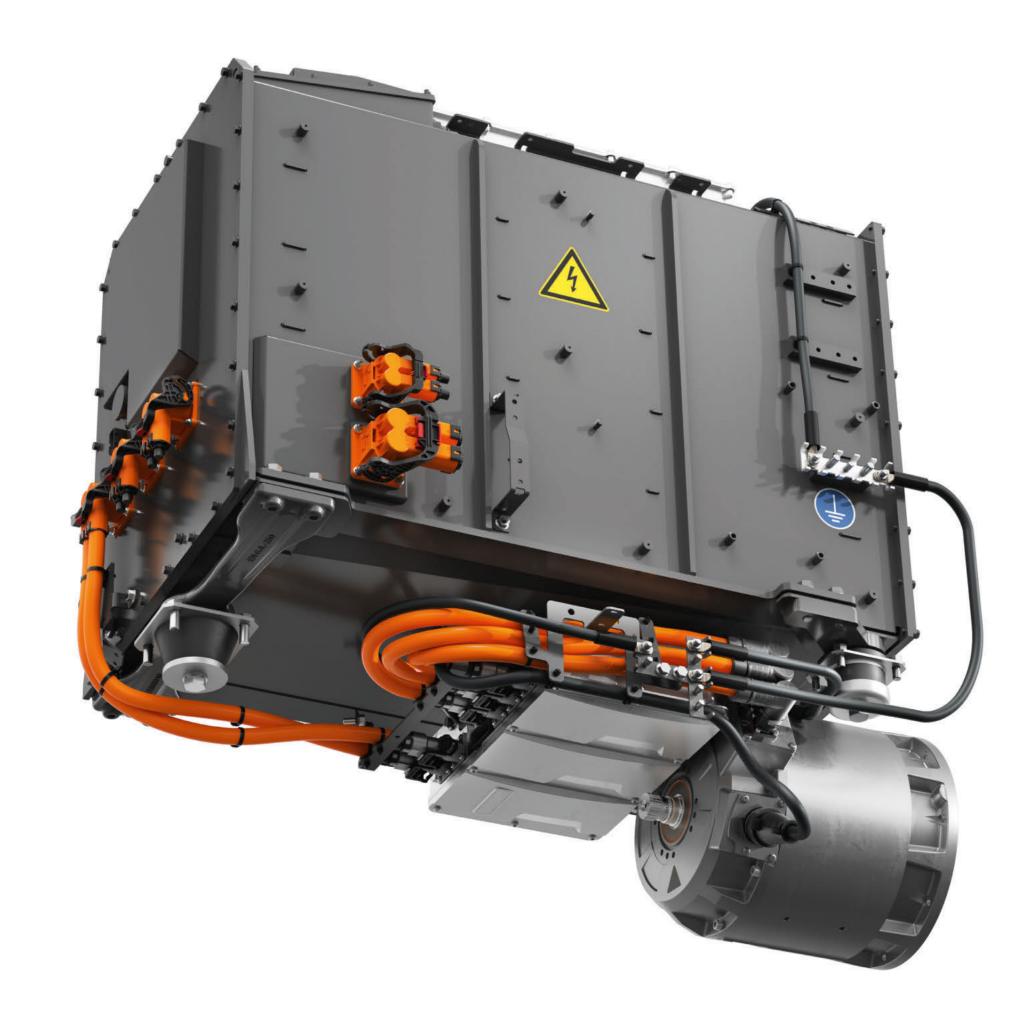
Inverter and electric motor.

Inverter function:

DC voltage of the battery is converted into a 3-phase AC voltage.

Motor acceleration is matched to the Vario gearbox

- + Efficient motor system
- + High efficiency
- Low energy loss

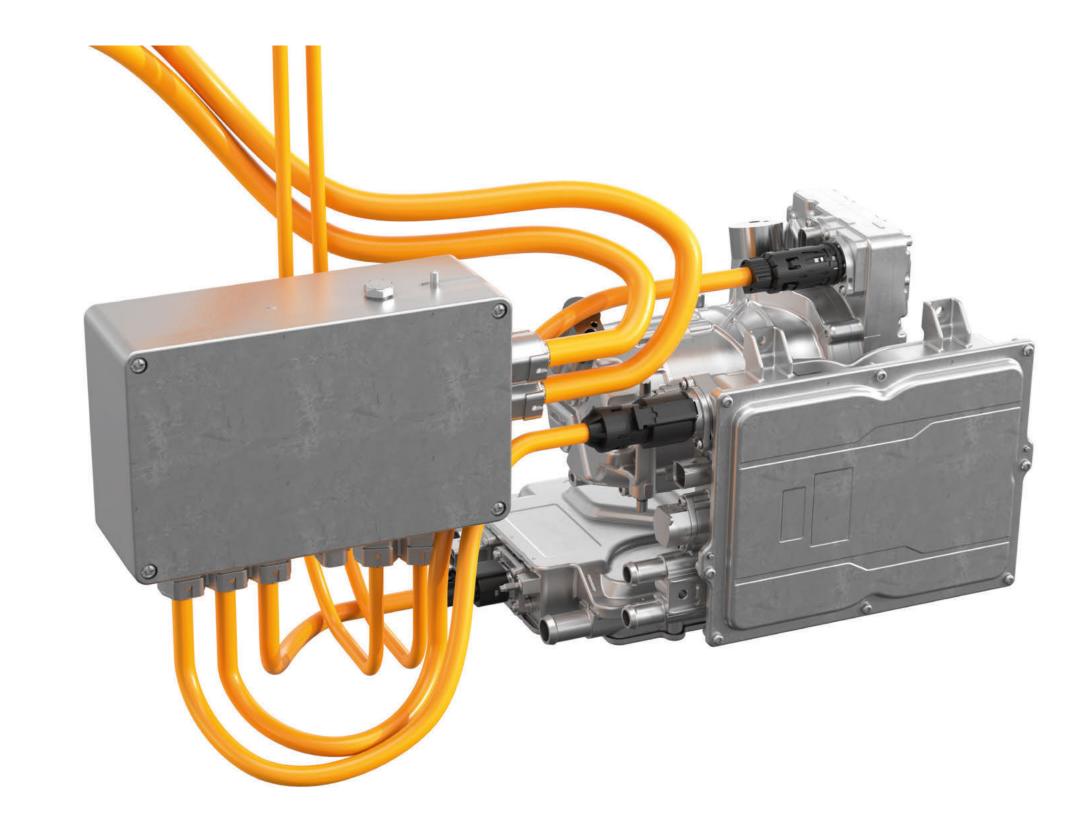


Auxiliary consumers.

Various auxiliary consumers are supplied directly from the battery.

- This energy is provided by the PDU (Power Distribution Unit).
- The PDU then directs the energy to the air-conditioning compressor, DC/DC converter (replacement of the alternator) and the water heater.

+ High efficiency, as there is no reactive power >> only the actual energy from the auxiliary consumers is required



Operation.

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Operating vehicles and associated HV equipment

Commissioning the vehicle, starting:



1. "Ignition key" encoded

For authorisation of the user



2. Activate systems

Quick-press start/stop button



3. Establish readiness for driving

- Wait until "Ready to start" appears on the display
- Preselect direction of travel or activate power consumer (hydraulics, PTO, etc.)
- Engine starts automatically

Operation.

Operating vehicles and associated HV equipment



4. Driving the vehicle:

Operate the joystick in the direction of travel



5. Parking the vehicle:

Quick-press start/stop button



6. Loading

- Charge cancellation button
- Unlocking the charging plug (>> actuating the handbrake!)

Start-Stop function.

Requirements "Ready":

- Handbrake is engaged
- Transmission in neutral setting (N)

"Ready" status is displayed on the dashboard

>> Start-Stop function is always active and can be deactivated via the terminal (setting is saved when the last settings are called up and can be taken into account in the work profile)

Engine start from the vehicle:

- Disengage the handbrake
- Select direction
- Actuate hydraulics

Start PTO external controls:

- First press of the button starts the motor
- Pressing the button a second time activates the function (EHR, PTO)



- + Energy conservation
- + Noise reduction
- Quick start option of the vehicle

FERSON LEADING AND AND ASSOCIATION OF ACCOUNT.

Power management system.

Three operating modes in the terminal

- **ECO** up to 50 kW/68 hp >> for maximum range when working in the partial load range
- **Dynamic** up to 55 kW/75 hp >> for maximum performance
- **Dynamic*** up to 66 kW/90 hp >> for additional performance over a limited period of time (peak power for power peaks)

- + Adapted energy management
- Maximum performance vs. maximum range

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Recuperation.

Automatic recuperation (energy recovery) when decelerating or driving downhill

When travelling downhill, pressing the foot pedal can increase recuperation, thereby recovering additional power and charging the battery while driving.

- + Extension of operating time without downtime
- ★ Wear-free continuous brake



Cooling package.

Air cooler

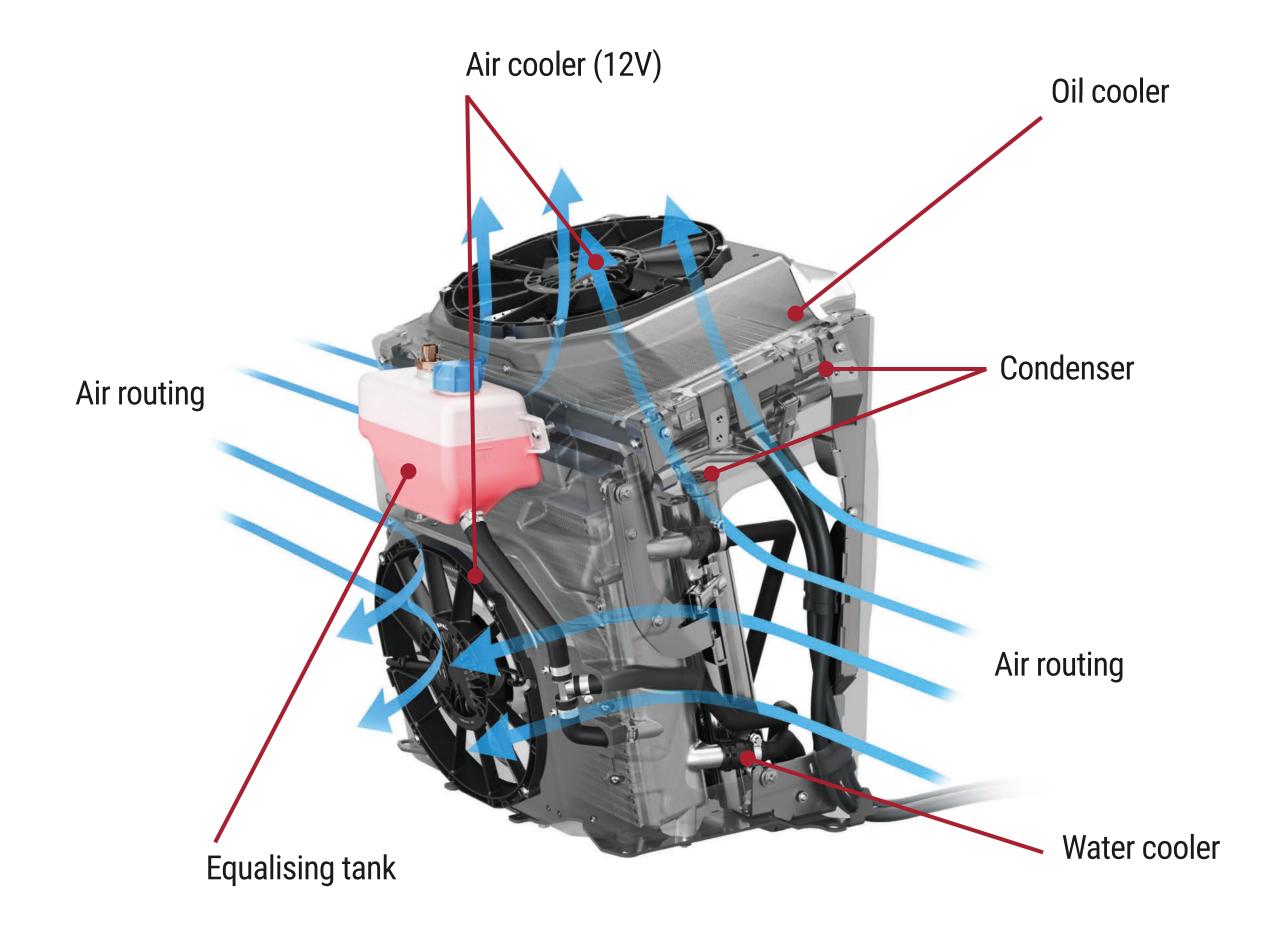
Transmission oil cooler

- Air is sucked upwards through the condenser
- Oil cooler cools the transmission oil

Water cooler

Air is sucked forwards through the condenser

→ Both fans are reversible and therefore reduce maintenance costs



Cooling concept.

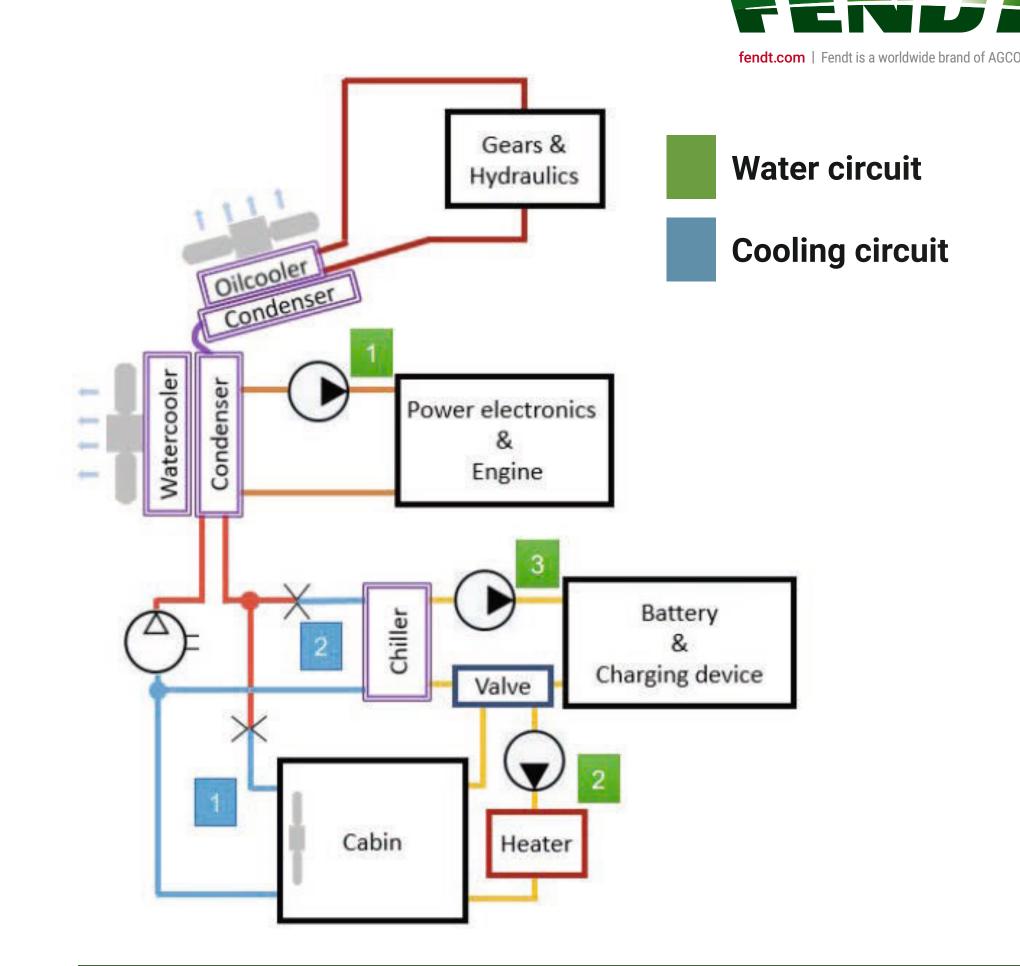
Oil cooler

Cools the transmission oil

Water cooler

Consisting of three water circuits

- 1. Water circuit:
- Cooling of the motor, inventor & DC/DC converter
- Independent of water circuits 2 & 3
- 2. Water circuit:
- Heating of the cab
- 3. Water circuit:
- State 1: Heating of the battery
- State 2: Cooling of the battery
- Water circuits 2 & 3 are connected via 4/2 directional valve
- Waste heat during charging can be used to pre-condition the cab
- 1. Cab cooling circuit
- 2. Chiller cooling circuit
- EXV's & A/C compressor are proportionally controllable



- + Separated cooling systems
- + Individual configuration
- Maximum energy efficiency

Transmission.

Transmission concept

Vario function

Tractor Management System (TMS)

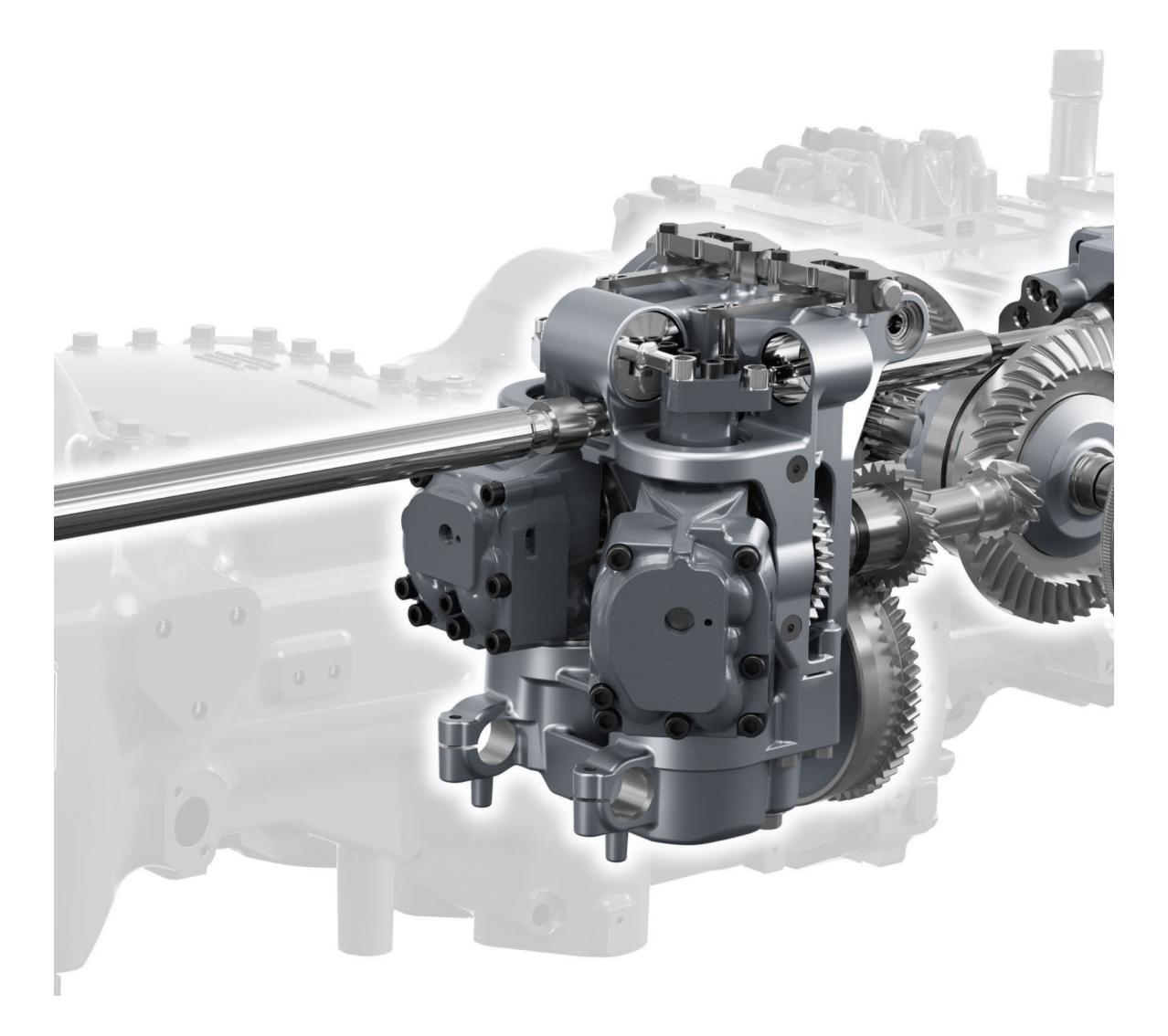
Customer Benefits
Automatic load limit 2.0

FENDT

Transmission concept.

Stepless Vario transmission (ML 70) for specialist tractors

- Stepless, smooth and soil-friendly driving for the ultimate in flexibility
- Variable ground drive of a super-slow 20 km/h to 40 km/h
- Wear-free reversing. Shifts into neutral after a forwards or reverse drive as the hydro pump swivels
- Permanent power transfer, e.g. at changing speeds and reverse drive on slopes
- Constant PTO rpm at variable speeds
- Easy to control with TMS and automatic limit load and make work easier
- Automated controls with cruise control function and maximum load control
- Flat cab floor for comfortable working no gearbox tunnel
- >> New intermediate gearbox between e-motor and gearbox input shaft for optimum speed range

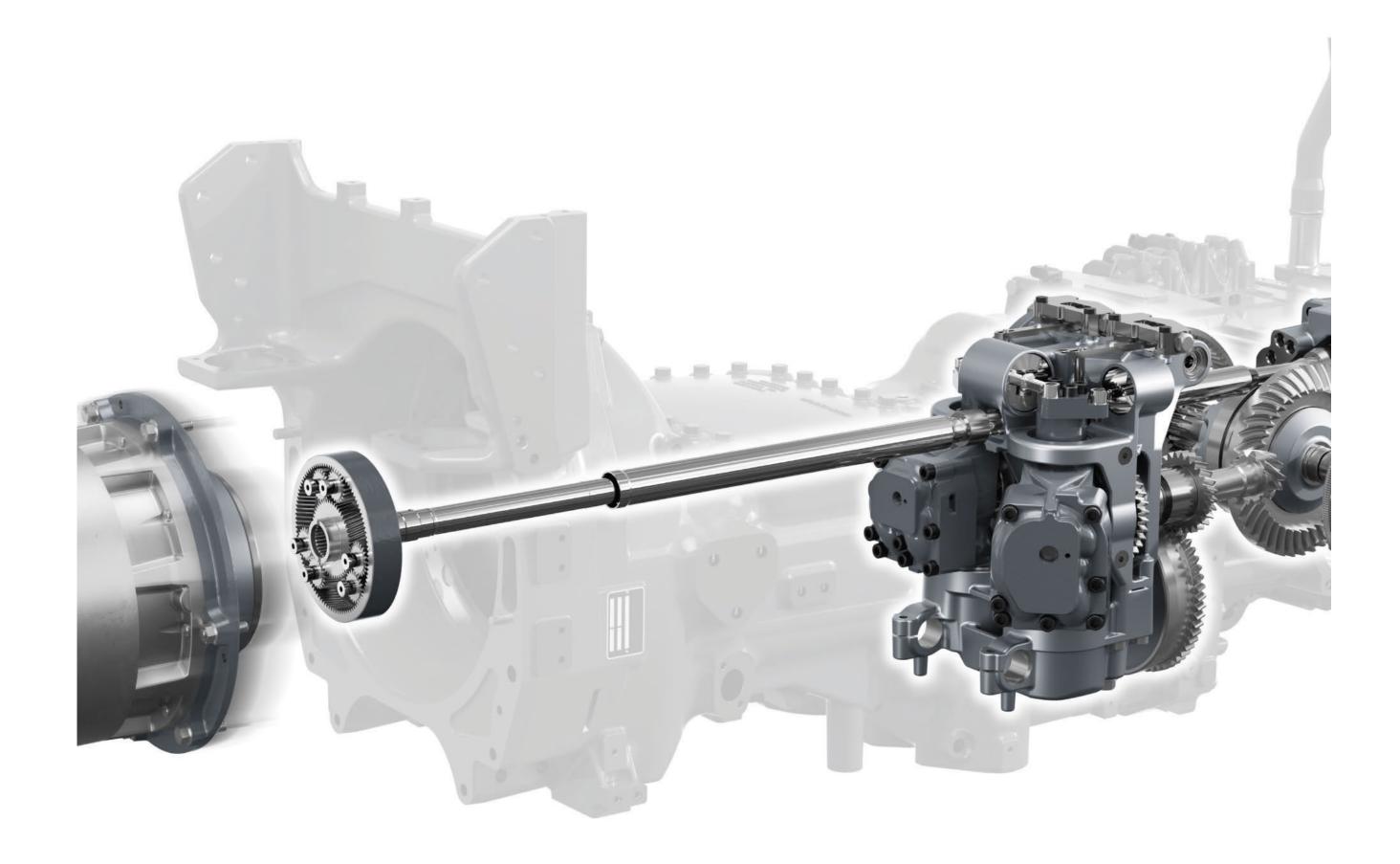


Transmission concept.

Transmission concept

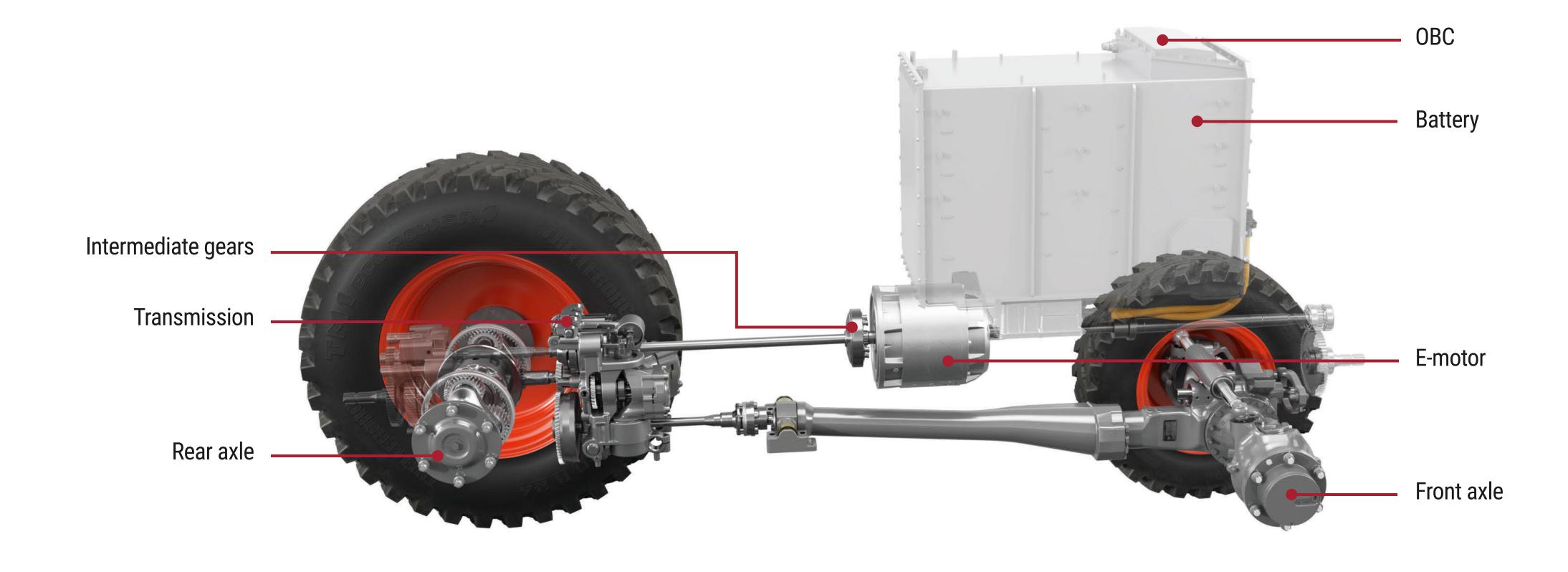
- Intermediate gear between gearbox and motor input shaft
- Ensures that the engine and transmission operate in the optimised speed range





FENDS

Transmission concept.

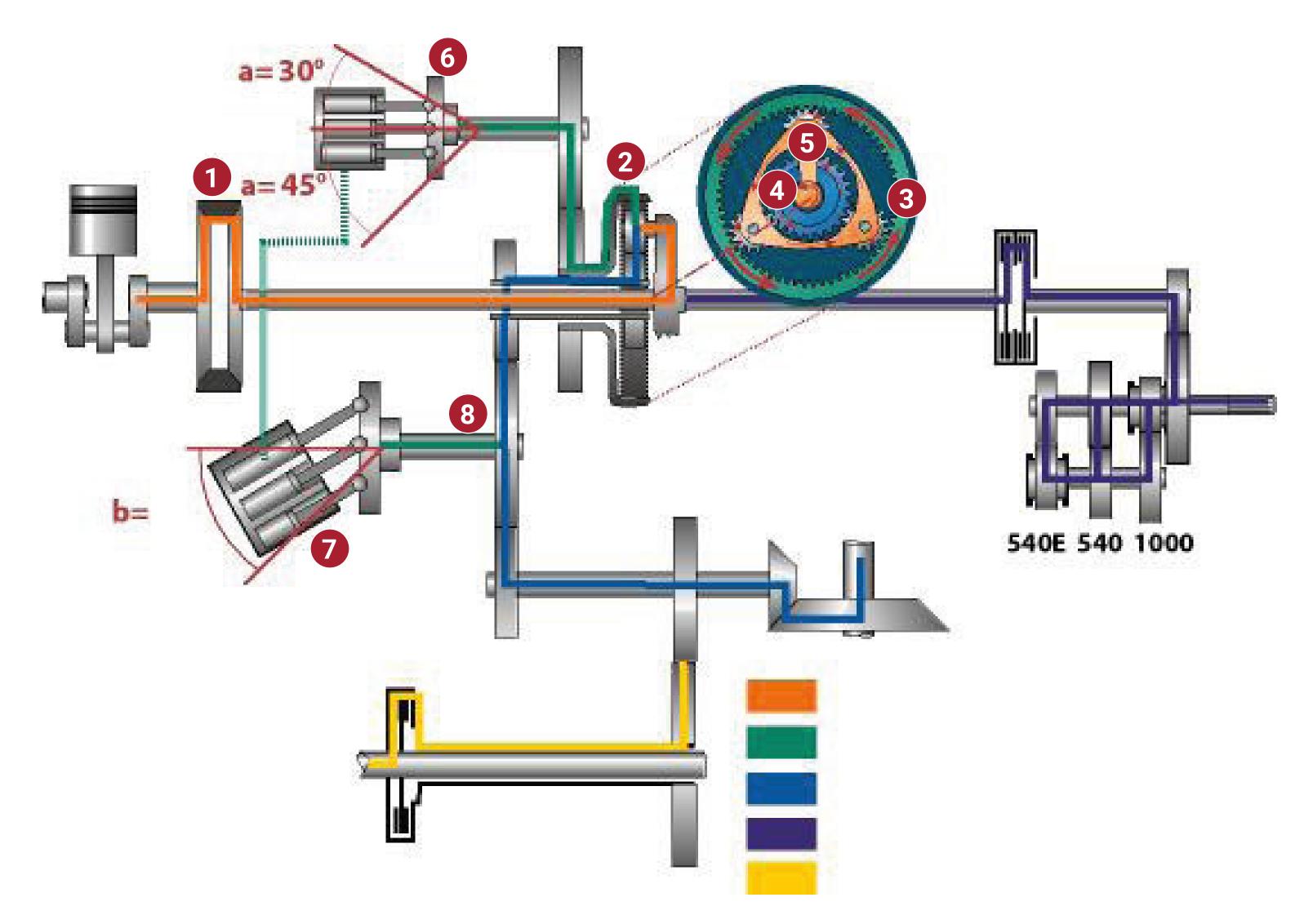


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Vario function.

Function and assembly

- 1 Torsional vibration damper
- 2 Planetary set
- 3 Ring gear
- 4 Sun gear
- 5 Planetary carrier
- 6 Hydro pump
- 7 Hydromotor
- 8 Accumulator shaft

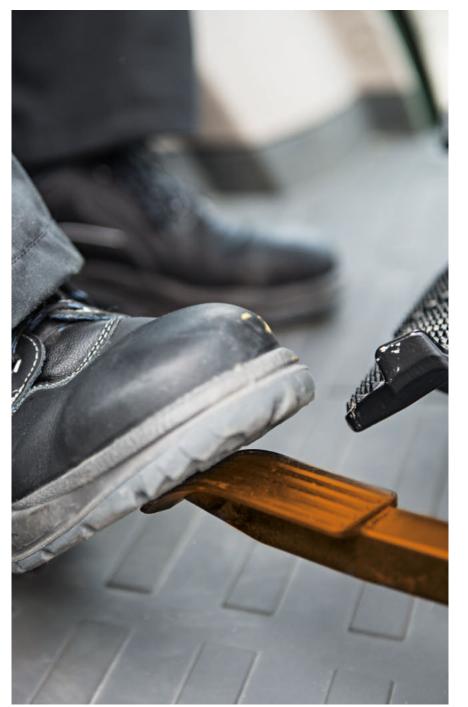


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Tractor Management System (TMS).

Perfect combination: TMS and load limit control 2.0

- The tractor management system (TMS) automatically regulates the engine and transmission in the most economical way
- •2 TMS driving modes: via multifunction joystick and driving pedal
- Driver only sets the target speed, TMS regulates the transmission setting and engine speed so the tractor works at the best consumption rates
 - If the engine speed starts to drop, the load limit control takes over control of the engine speed and transmission setting
 - Engine speed is automatically increased when appropriate performance is required in the field
 - As soon as operating conditions permit, the tractor drives at reduced engine revs





Customer benefits.

Customer Benefits

- No additional super creeper transmission necessary
- Soil-friendly with 100% smooth powertrain function
- Gear oil change only required every 2,000 hours
- No special oil necessary
- Electronically controlled with TMS and maximum load control 2.0 ensures the transmission shifts when it should and is well monitored
- No gear shifting, in the transmission, infinitely variable, wear-free reversing



FERIDS for the complete standard of ACCO

Automatic load limit control 2.0.

Automatic limit load 2.0 with Kickdown mode

- Load limit control determines how far the engine speed may drop under load before the transmission readjusts
- · Limit load adjusts sensitively and fully automatically, as does engine pressure
- Sensitive control in relation to target speed (with TMS or cruise control activation) or engine load (without TMS/cruise control)
- Manual adjustment still possible Kickdown mode for immediate acceleration

- + Relaxed way of driving
- + Faster achievement of the set speed
- Better maintenance of the set speed
- Zippier driving under load
- + Higher average speed with optimum consumption

Fendt e100 V Vario - PTO

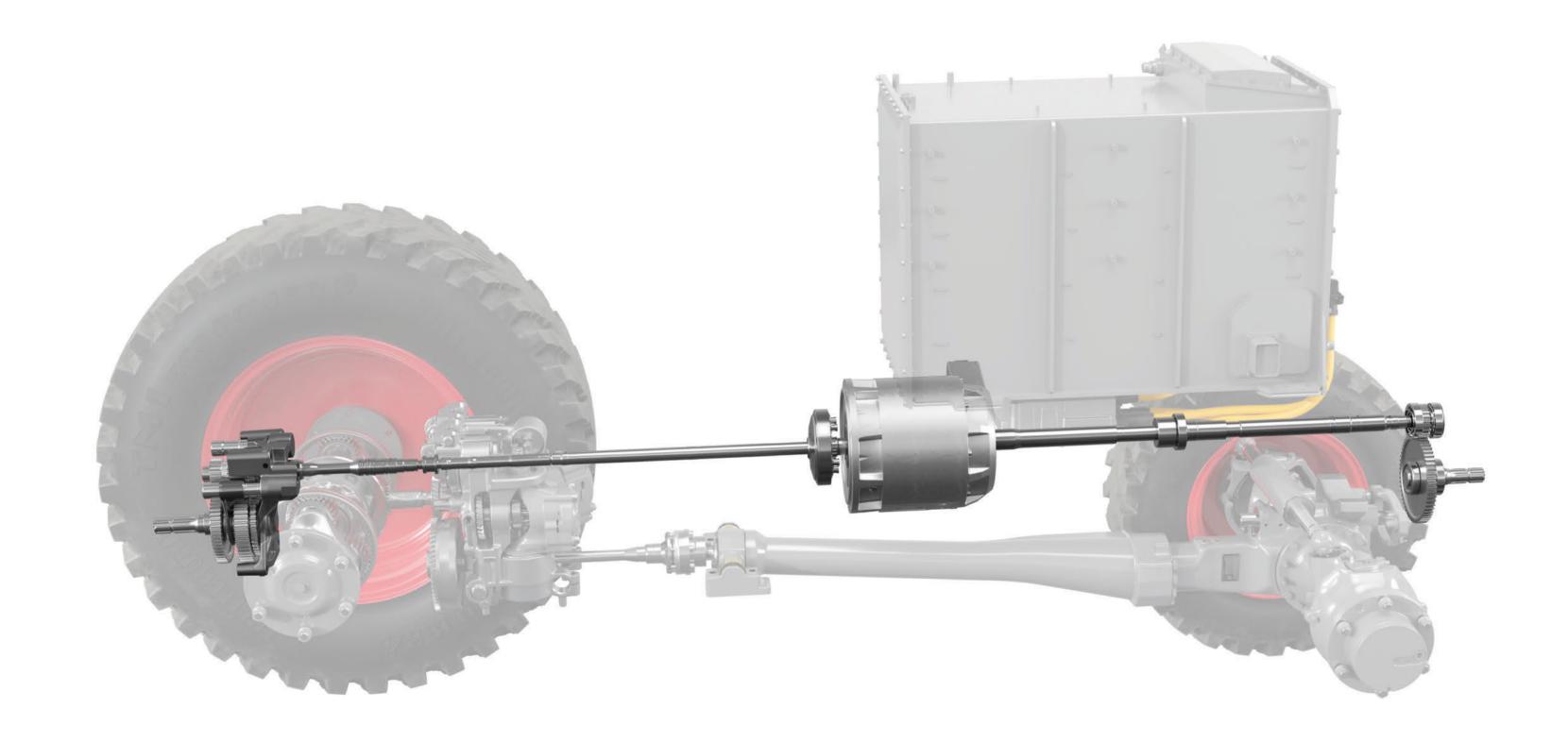
PTO.



Concept

Front and rear PTO

Controls – settings



Concept.



- Front PTO 1,000 rpm
- Front PTO with wet coupling to reduce wear and noise
- Full engine power available at the front PTO shaft
- Seasonal activation of front PTO (improved performance)
- •Rear PTO with 3 PTO speeds 540/540E/1000 rpm
- Straight drive through from the motor shaft to the rear PTO, only one gear stage to the PTO stub very high efficiency
- Optional: ground speed PTO

- → Direct connection between motor shaft and PTO stub (only 1 gear stage) for high efficiency
- + Electro-hydraulic speed preselection
- + External control from mudguard
- Automatic start-up control
- ★ Bevelled PTO profile enables particularly easy attachment to the stub shaft
- + PTO stub can turn



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Concept.

Front PTO speeds

•Optional: 1000 rpm

Rear PTO speeds

•Standard: 540 / 540E / 1000

•Optional: 540 / ground-speed / 1000

Stall protection

- Stall protection prevents the engine from stalling via the PTO shaft if the speed drops suddenly
- PTO clutch opens automatically when engine speed drops



FERIOT

Rear PTO function.

Auto rear PTO

- Automatic rear PTO with rear power lift: automatic rear PTO activation when rear power lift reaches at set heights
- Set the on/off position of the rear power lift for PTO on the dashboard or terminal
- Exclusive Fendt benefit:
 - Rear PTO with external actuation and engine speed increase!

Practical example:

• No more need to get in and out the cab., because the external PTO actuation, the engine speed is also increased to the preset value

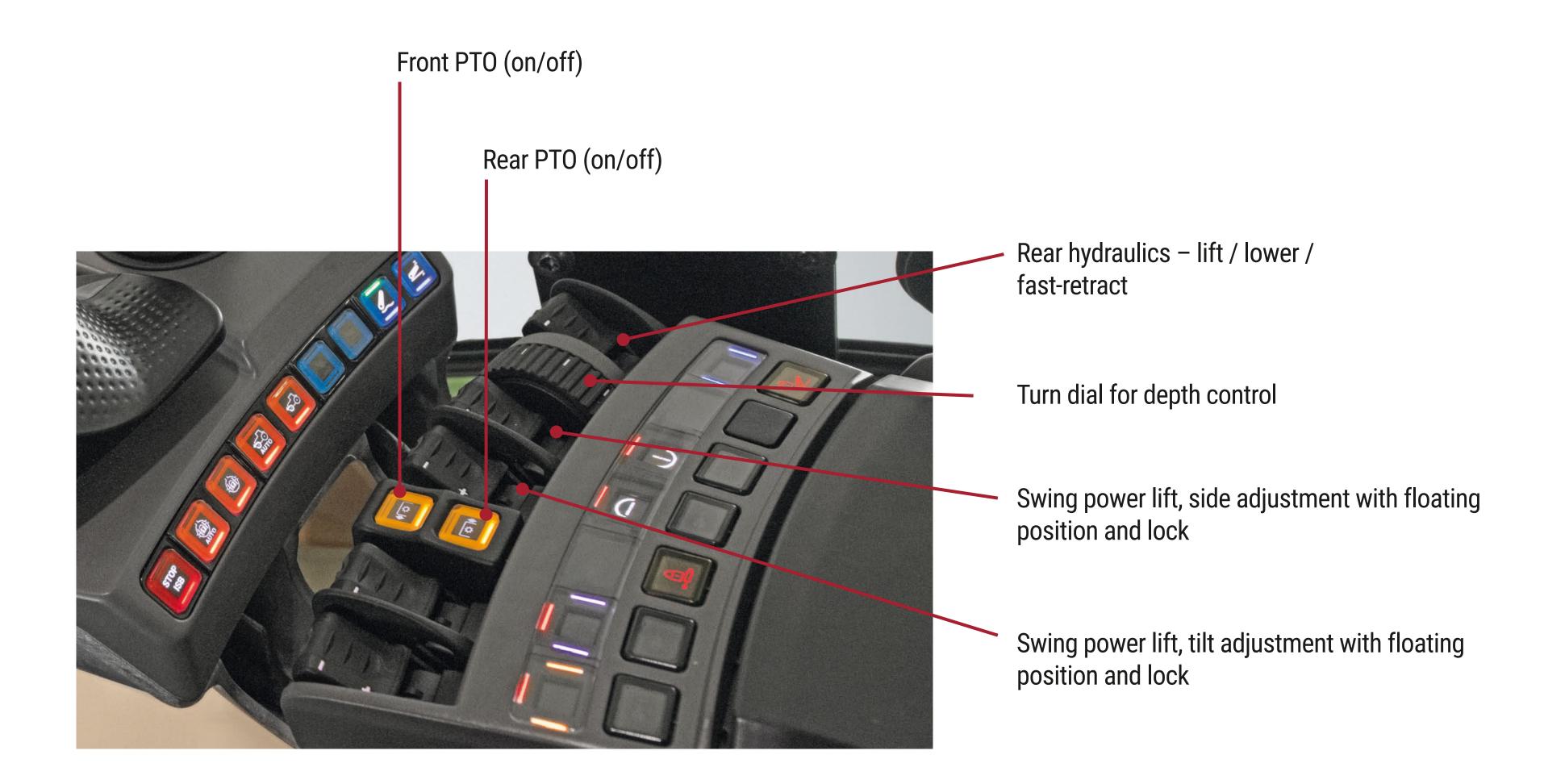
- + Auto PTO linked to rear power lift
- + PTO implements can be used at a constant rpm with variable driving speed
- ★ Start-up control reduces wear and machine costs





Controls – settings.

Adjustment



Adjustment.

PTOs – Settings – Dashboard

- Auto PTO
- PTO stationary use
- Front PTO status indicator
- Power lift release
- Auto power lift
- Rear PTO status indicator
- Preset PTO speed
- PTO status



Hydraulics and power lift.

Hydraulics design

Circuits and pumps

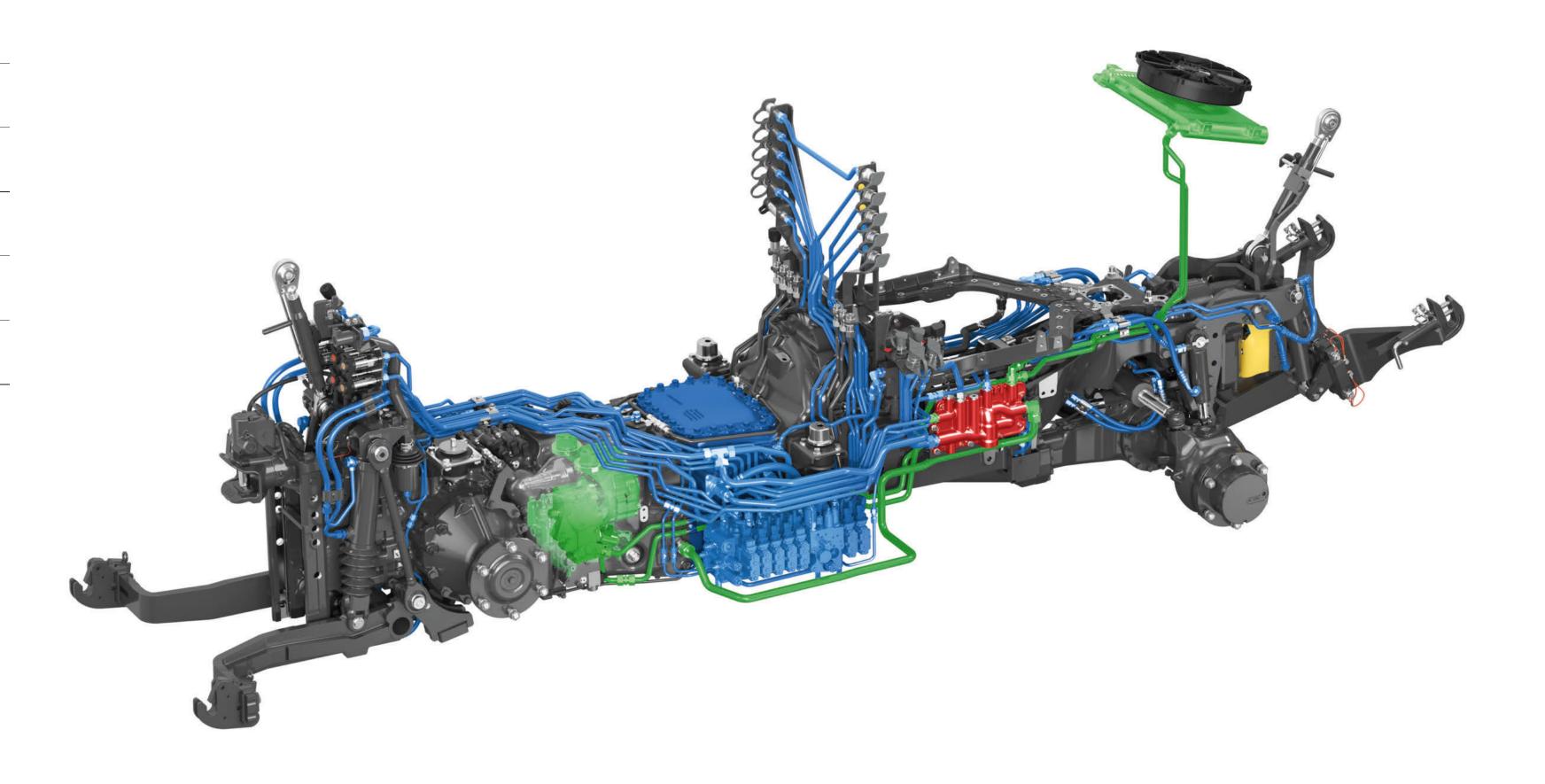
Hydraulic mounting spaces

Equipment options

Working hydraulics

Front power lift

Rear power lift



FERIDS

Hydraulics design.

Powerful hydraulic concept with control pump

- 2-circuit hydraulics
- •Up to 6 additional control valves or 5 + front power lift with separate valve
- Power Beyond connection in centre
- High valve flow rates of up to 65 l/min (3rd valve) otherwise 40 l/min
- High extractable oil quantity of 25 I
- Easy and intuitive controls
- Smart technology at the front and rear
- Unique swinging power lift
- Separate supplies for transmission and oil
- Hydraulic oil cooled along with the heat exchanger of the transmission oil
- Optional FFC couplings
- Rear power lift with load-relieving control available

- + Efficient and powerful high-performance system on delivery
- + Avoids reactive power by making full use of the two hydraulic circuits
- + Long oil change intervals and use of bio-hydraulic oil possible



Hydraulics design.

Features

- Standard load-sensing variable flow pump with 119 l/min (48 +71 l/min) flow capacity
- Power Beyond connection centre right
- Proportional operation via multifunction joystick and rocker/ linear modules
- Electrical valves
- Setting via terminal
- Optional crossgate lever or 3L joystick with integrated reversing button

- + High hydraulic performance with high removable oil volume and pump performance
- Strong reduction of reactive power with powershift variable flow pump and Power Beyond



Hydraulics design.

Working hydraulics

- Minimum 2 to maximum 6 electric hydraulic double acting valves incl. centre connections and front power lift with its own valve
- Max. 4 connections at the rear
- Set the oil flow at every valve (set + and separately)
- Timer on every valve
- Custom-assigned control points
- Leak oil collection tank

- → Double acting spool valves with float position, leak-proof both sides
- ★ Countless setting options for every valve
- ★ Simple and convenient operation via multifunction joystick and crossgate lever











Hydraulics design.

Hydraulic Connections

• 3 options for the type of hydraulic connections

Hydraulic connection centre + rear ISO A

ISO A plug-in couplings on all hydraulic connections.

- Centre connections:
 - Coupling plug
- Rear connections:
 - Coupling socket

Hydraulic connection centre ISO A + rear CUP

ISO A plug-in couplings on the centre and CUP hydraulic connections.

Couplings on the connections at the rear

Hydraulic connection centre + rear FFC

Flat-face hydraulic couplings on all connections.

Prevention of leaks and oil loss



Circuits and pumps.

	Hydraulics circuit left max. Flow capacity	Hydraulic circuit right max. Flow capacity	Max. flow summation Flow capacity	Max. number of valves
Gear pump + load-sensing variable flow pump	48 l/min	71 l/min	119 l/min	6 or 5 + FKH
Provides	Steering Front-axle suspension Hydraulic trailer brake Valves left (brown (1), purple (2))	Power lift Valves on the right (yellow, blue, red, green (1/4 with front power lift)		

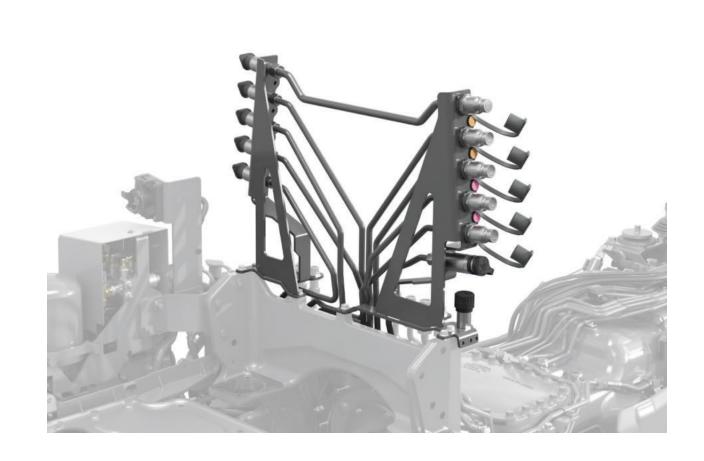
Assign connections of implements with different oil quantity and oil pressure requirements to valves on different circuits, to reduce the reactive power

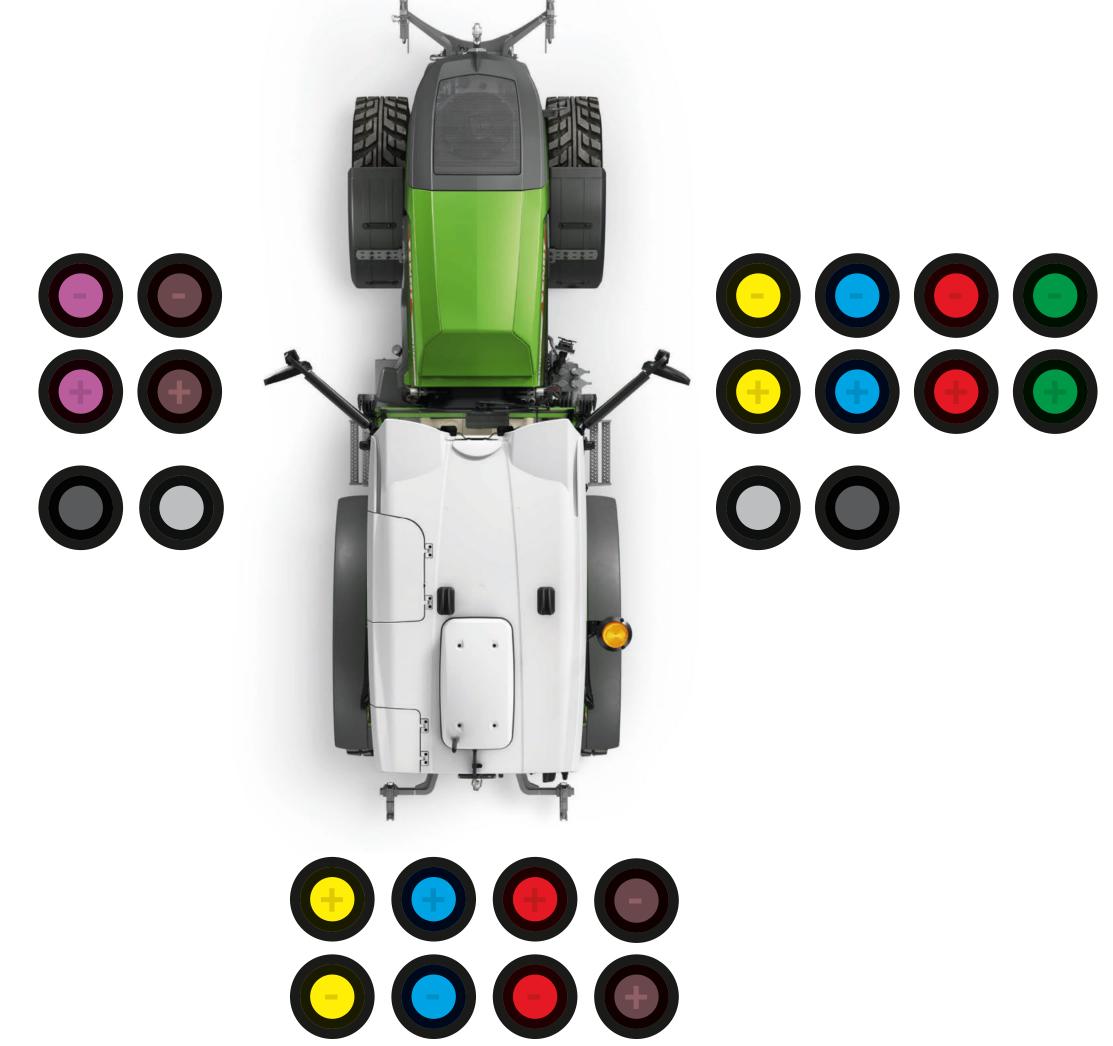
For one continuous consumer, select red valve (up to 65 l/min) or green (without front power lift) up to 40 l/min, for two continuous consumers, connect the second to brown or purple (if available)

Mounting spaces for the hydraulics.

Rear and middle left/right

- Min. 2 valves, max. 6 valves
- Standard, CUP, or FFC hydraulic couplings
- •Return rear and centre right as standard, middle left available
- Oil quantity adjustment for all valves
- Operation via linear modules, electric crossgate levers and multifunction joystick
- Priority function for one valve or rear power lift
- Responsiveness of the valves can be adjusted
- Hydraulic cross-connection to avoid loose hoses over the bonnet





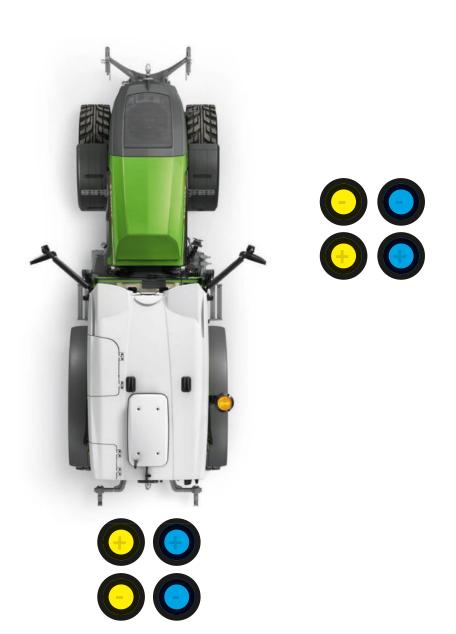


Profi line: Setting 1: Standard and max. equipment

- •LS system with variable flow pump 48 + 71 = 119 I/min flow capacity
- Cross-gate lever
- 2 fingertip spools

Standard: 2 Valves (2+0)

•1st + 2nd valve centre right + rear



Maximum: 6 valves (4 + 2)

Optional:

- •3rd valve centre right + rear (red) (H231)
- •4th valve centre right + rear* (green) (H241) (* Attention: only for version without front power lift!)
- •1st valve centre left + rear (brown) (H043)
- •2nd valve centre left (purple) (H044)
- Power Beyond centre right (H200) not at 4th valve centre right
- Hydraulic cross-connection (H185)



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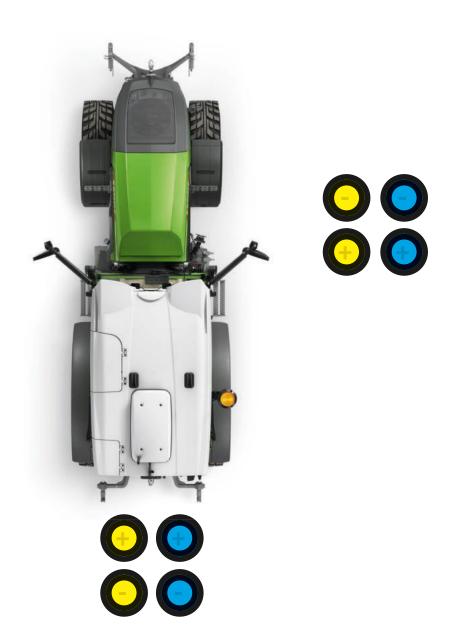
Equipment options.

Profi line: Setting 2: Standard and max. equipment

- •LS system with variable flow pump 48 + 71 = 119 I/min flow capacity
- 2 fingertip spools
- •3L-Joystick

Standard: 2 Valves (2+0)

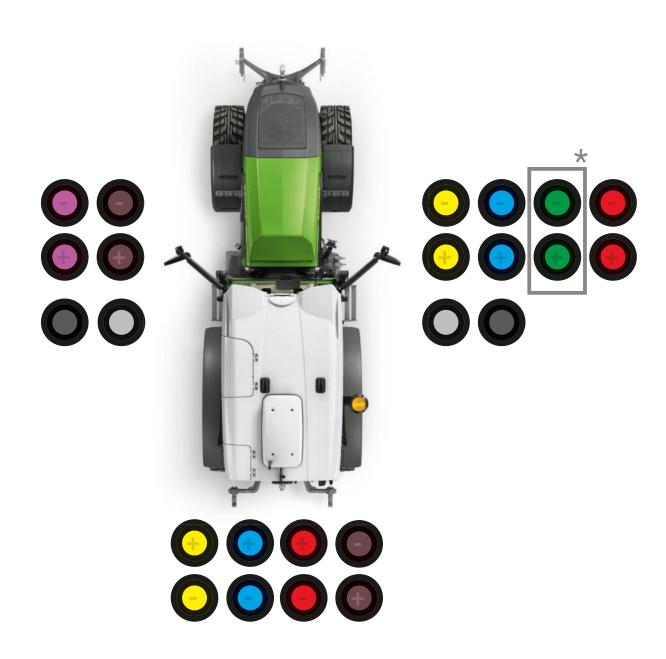
•1st + 2nd valve centre right + rear



Maximum: 6 valves (4 + 2)

Optional:

- 3rd valve centre right + rear (red) (H231)
- •4th valve centre right + rear* (green) (H241) (* Attention: only for version without front power lift!)
- •1st valve centre left + rear (brown) (H043)
- 2nd valve centre left (purple) (H044)
- Power Beyond centre right (H200) not at 4th valve centre right
- Hydraulic cross-connection (H185)



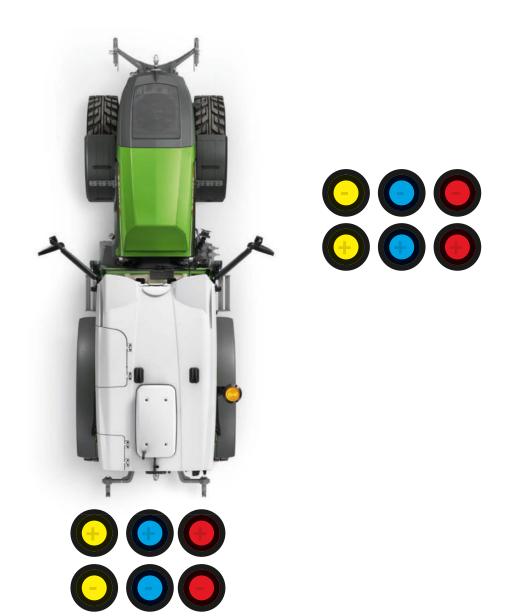
Equipment options.

Profi+ line: Setting 1: Standard and max. equipment

- •LS system with variable flow pump 48 + 71 = 119 I/min flow capacity
- Cross-gate lever
- 2 fingertip spools

Standard: 3 Valves (3+0)

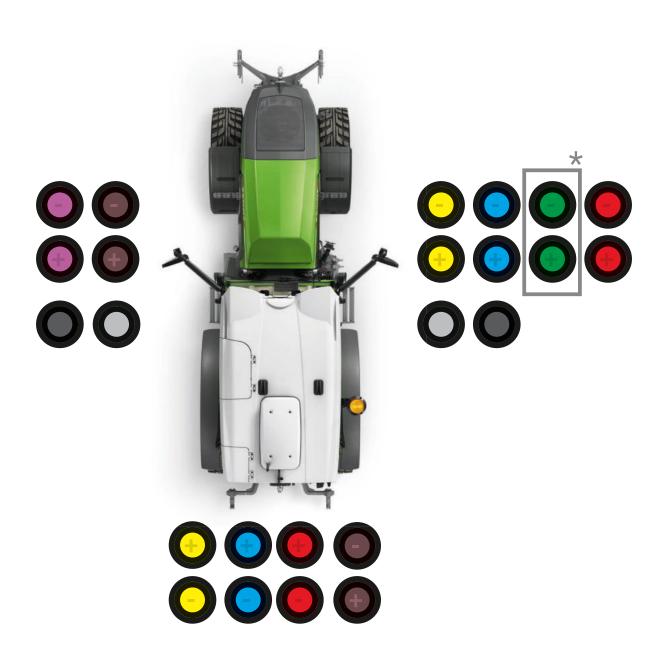
- •1st + 2nd valve centre right + rear
- 3rd valve centre right + rear



Maximum: 6 valves (4 + 2)

Optional:

- •4th valve centre right + rear* (green) (H241) (* Attention: only for version without front power lift!)
- •1st valve centre left + rear (brown) (H043)
- 2nd Valve centre left (purple) (H044)
- Power Beyond centre right (H200) not at 4th valve centre right
- Hydraulic cross-connection (H185)



PROFI+

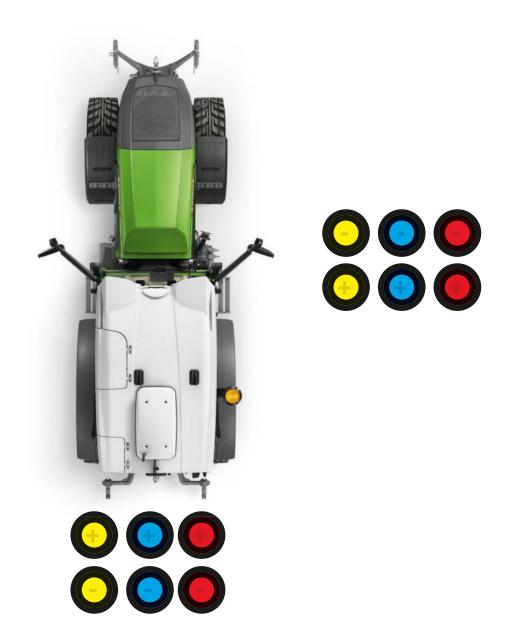
Equipment options.

Profi+ line: Setting 2: Standard and max. equipment

- •LS system with variable flow pump 48 + 71 = 119 I/min flow capacity
- Linear modules
- •3L-Joystick

Standard: 3 Valves (3+0)

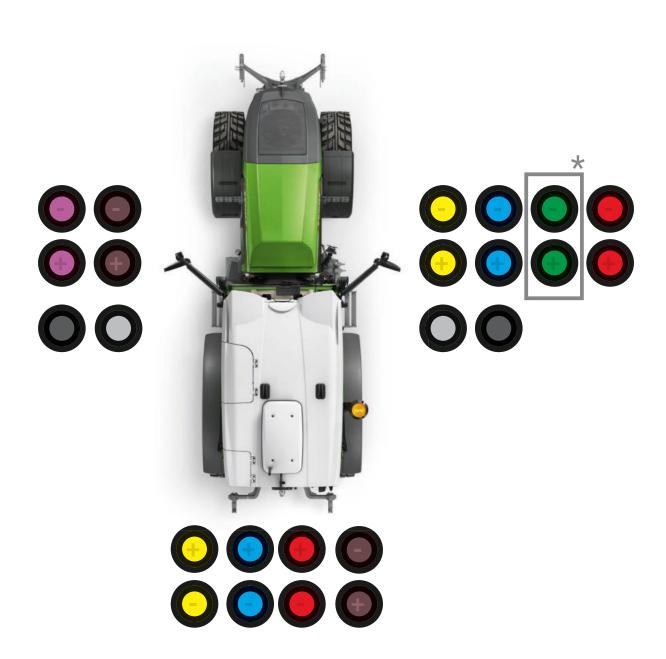
- •1st + 2nd valve centre right + rear
- 3rd valve centre right + rear



Maximum: 6 valves (4 + 2)

Optional:

- •4th valve centre right + rear* (green) (H241) (* Attention: only for version without front power lift!)
- •1st valve centre left + rear (brown) (H043)
- 2nd valve centre left (purple) (H044)
- Power Beyond centre right (H200) not at 4th valve centre right
- Hydraulic cross-connection (H185)



Working hydraulics.

Operation

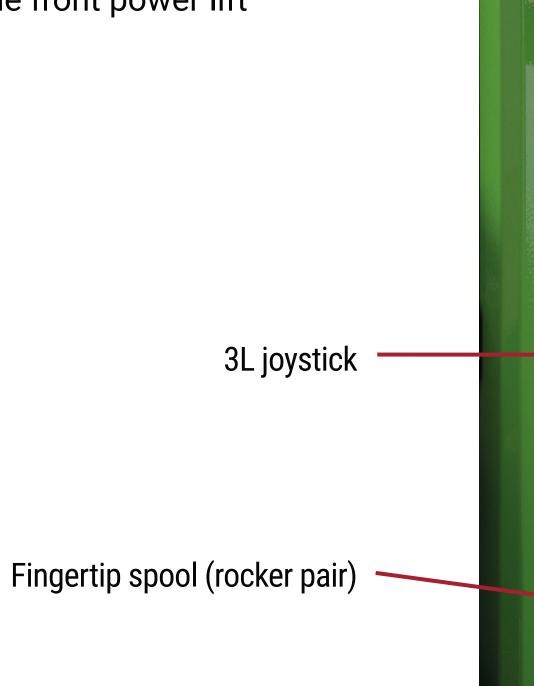
- Proportional control of 2 valves on multifunction joystick,
 - 5 white + 4 petrol-coloured buttons for you to assign
- Crossgate lever with proportional control for 2 valves
 - Use pushbuttons to switch to 3rd and 4th circuit
 - detent for constant pumping and float position
- 3L joystick control of up to 27 functions (e.g., 6 valves, 3rd + 4th circuit + 11 other functions)
- 2 linear modules (rockers)
 - Plus, minus, floating position, constant pump (via terminal), timer (via terminal)
- Swinging power lift actuation for lateral and tilt adjustment



Operation.

Flexible control point:

•Flexible operating locations for valves 1–6 and the front power lift







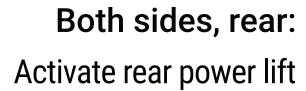
Hydraulics – adjustment and navigation.

Working hydraulics – settings – dashboard

- Select time function
- Set time
- Select start-up control
- Select priority function
- Lock/unlock valve
- Set oil flow

Hydraulics – Operating elements.

Working hydraulics – external controls

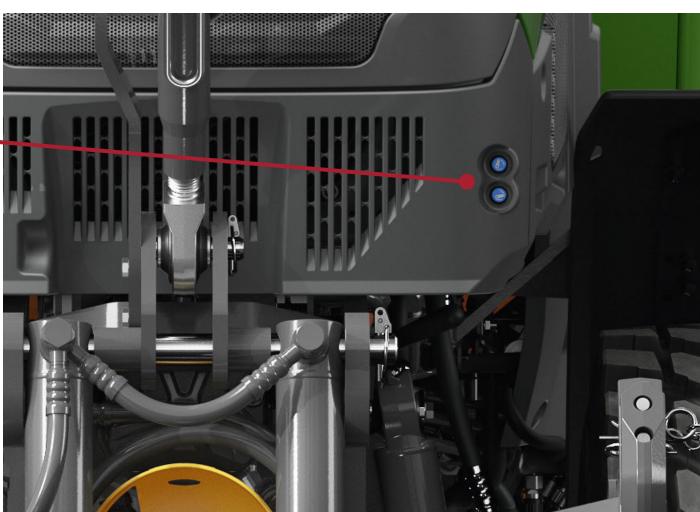


PTO activation



Front:

Activate front power lift ___



Front power lift.

Cat. I front power lift

- Front power lift fully integrated with short run-in for the best manoeuvrability
- Folded lower links right up close to the vehicle
- Top links with solid brackets and easy handling
- High max. lifting capacity at the coupling point: 2,380 daN
- High continuous lifting capacity at the coupling point: 1,960 daN
- Built-in valve disc, no additional control unit required
- Quick and easy to convert from working to transport position (re-insert 2 bolts)
- Drive the implement rigidly or with swing compensation (with attachment on lower link)
- Quick and easy removal of the lower links (4 bolts)
- Mounting plate (with attached lower link) for attaching compact equipment or a load weight

- + Easy to attach weights and implements
- ♣ Robust and very compact design for top manoeuvrability
- + Lower links are quick to remove and fold in
- ★ Working hydraulics are not restricted by the front power lift (has its own valve disc!)



Controls – Settings.

Front power lift

Make your settings on the dashboard

- Preset position of front power lift
- Lock/unlock front power lift
- Prioritise front power lift
- Lowering speed
- Lifting speed
- Lifting height

Rear power lift.

Concept

- Unique swinging power lift Cat. I/II
- High max. lift capacity at the coupling point:
 - Lower link short: 2,775 daN
 - Lower link long: 2,417 daN
- High full lift capacity at the coupling point:
 - Lower link short: 1,785 daN
 - Lower link long: 1,647 daN
- Traction point in front of the rear axle >> increased traction
- Vibration damping with adjustable activation speed
- Lift limiter locks lower link (so lower links cannot break out upwards with a sprayer attached to lower link)
- Easy EHR operation; actuate via multifunction joystick;
- External controls on both mudguards







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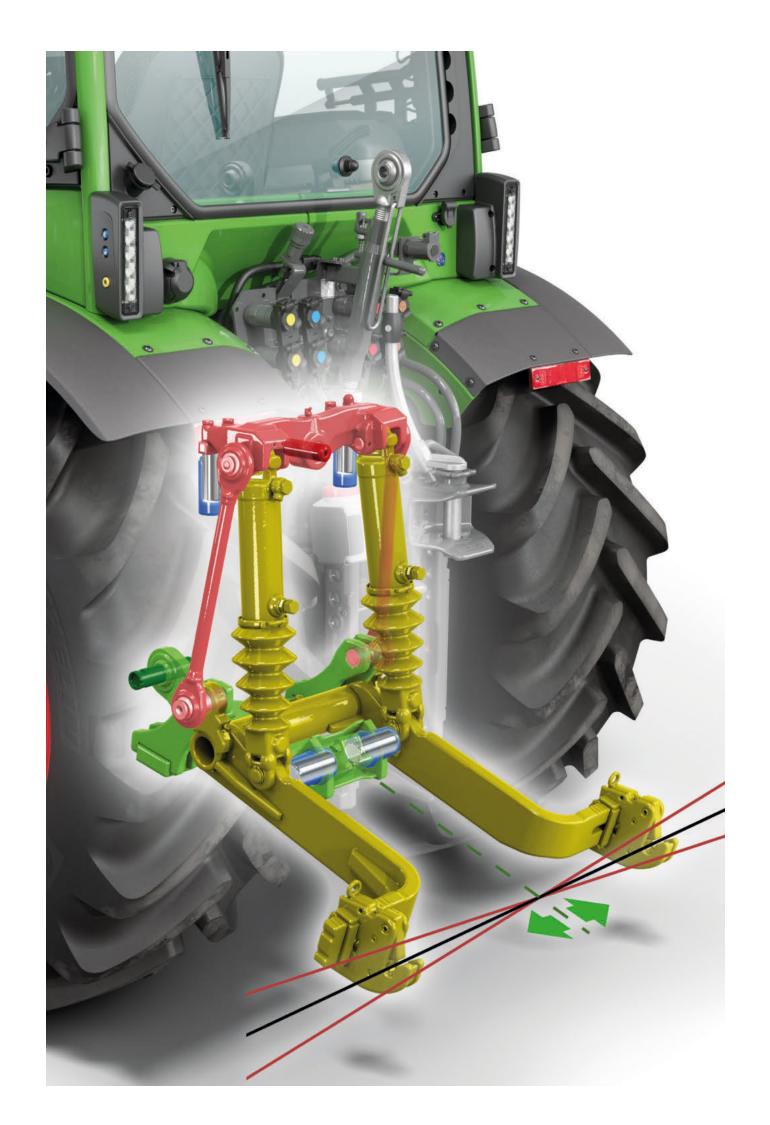
Rear power lift.

Hydraulic tilt and horizontal adjustment and lower link variants

- Side adjustment up to 6° left and right
- Tilt adjustment up to 6° up and down
- Easy controls with rocker or terminal
- Locking and floating position possible

Lower link variants

- Short or long lower link
- Quick coupler hook for implement bolts Cat. I or Cat. II
- Difference between lower link short and lower link long from pivot point to centre of catch hook (length of lower link): 6 cm
- Distance of lower link hooks over long hole adjusts to fit different mounting dimensions
- Adjustment range of lower link clearance:
- •Lower link short: 591 mm 765 mm Lower link long: 698 mm 872 mm
 - + Perfect alignment to slope incline
 - → Parallel guidance of the implement on the slope
 - + Precise alignment of the equipment
 - + Improved work results
 - ★ Lower link variants for all requirements



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Swinging power lift in practical use.

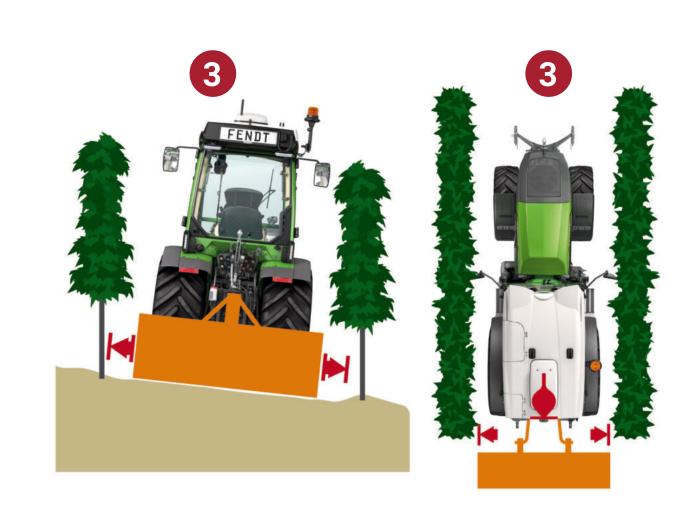
- The exclusive Fendt swing power lift adapts rear implements to the terrain fully hydraulically.
 - Thanks to the steplessly variable tilt and lateral adjustment of the power lift from the driver's seat, the Fendt e100 V Vario tractors offer enormous advantages when working with cultivators, tillers or forklifts.
- Practical advantages of tilt adjustment:
 - •Using two hydraulic cylinders (on request), the rear unit can continuously compensate for the slope.
- Practical advantages of side adjustment:
 - Two hydraulic cylinders, which move and lock the lower links to the right and left, guide the implement precisely in the row.







Lateral control



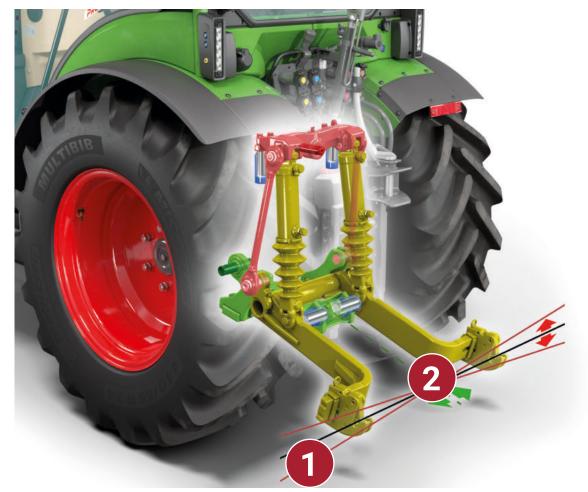
Swinging power lift – operation.



- Tilt control:
 - Float position
 - Interlock
 - Display via 12" terminal
 - Button for basic settings in the terminal
 - •2 memory positions can be saved

- Side shift with the functions:
 - Left/right shift
 - Floating position
 - Interlock



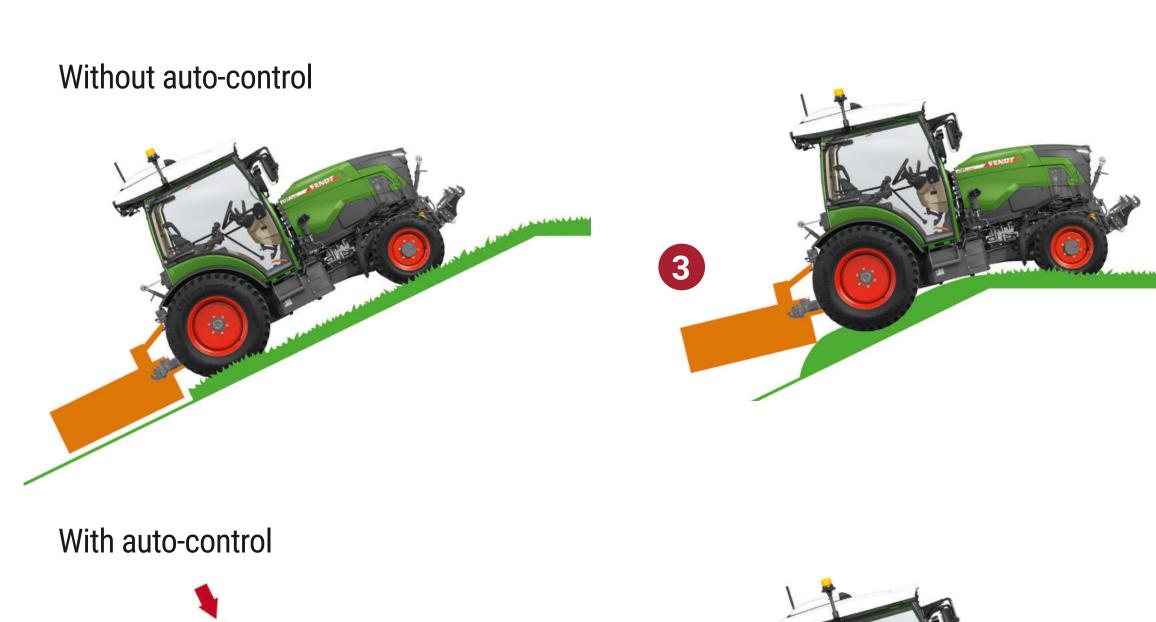


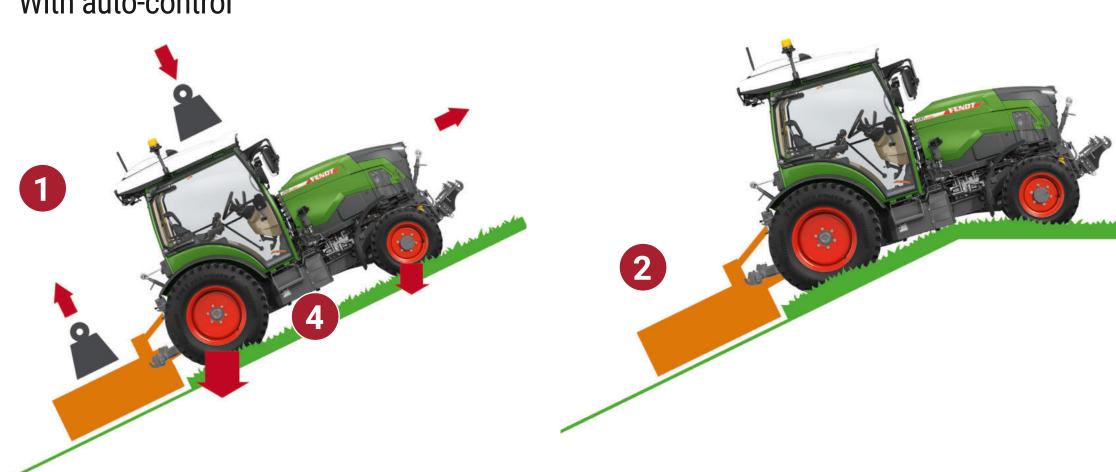
Rear power lift with load-relief

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- With load-relief control, the implement, e.g., mulcher, can be guided at a constant working height including on uneven ground. 1
- Particularly important when working on the transition from slope to level (and vice versa), where the rear-mounted implement actively remains at ground level 2 and does not swivel upwards. 3
- Rear-mounted implement e.g., mulcher actively follows the ground contour precisely with the set ground pressure. For the best working results.
- •On hillsides, the weight transfer from the implement to the vehicle gives even greater traction and climbing capability. 4
- Saves the driver from having to readjust.

- + Clean results
- ★ More traction and climbing ability with the weight transfer
- + Relief for the driver because readjustment is no longer necessary





FERIST forthern | Earth is a worldwide bound of ACCO

Controls – settings.

Swing and rear power lift

Adjustment

Control mode for rear power lift ~

Float position mode Rear power lift (e.g., cultivator)

Front PTO (on/off) —

Rear PTO (on/off)



Rear hydraulics – lift / lower / fast-retract

Set working depth of rear hydraulics

Lock rear power lift

Swing power lift, side adjustment

Swing power lift, tilt adjustment

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Rear power lift control.

Controls – settings

Make your settings on the dashboard

- Limit lift height
- Lifting speed
- Lowering speed
- Control position/tractive power/both
- Lock/unlock rear power lift
- Prioritise rear power lift
- Actual position of rear power lift
- Preset position of rear power lift

Fendt e100 V Vario - Cab

Cab.



Concept

Equipment

Ventilation – Air conditioning – Auxiliary heating

Infotainment package

Windscreen wiper

Lighting

FendtONE operating philosophy



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Comfort cab design.

Overview - Comfort cab

- 4-post cab with raised front window and unique all-round vision to the sides
 - Mounted on damping blocks
- Steering column and dashboard height- and tilt-adjustable via foot pedal 10" central, adjustable dashboard via rotary pushbutton
- FendtONE control console incl. multifunction joystick; rotary pushbutton and button assignment with flexible colour-coding
- 2-way multifunction joystick with proportional hydraulics
- •12" terminal in roof liner with touch + pushdial controls
- Improved steps on left and right
- Built-in cable ducts at rear and front
- Cab ex works with Cat. 4 safety class (optional)
- Heated front window LSG
- Rear window heated



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Cab – benefits.

Benefits of the Comfort cab

- Spacious cab with excellent all-round vision and a generous feeling of space
- Higher performance from the driver with the best driving and operating comfort
- Wide range of configurations for all needs requirements, including Cat. 4 protection class on delivery
- Easy and safe to get in and out
- Adjustable see you home lighting
- Auxiliary heating/air conditioning ensure comfortable temperatures
- Outside temperature indicator







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Door and driver's seat.

Level cab floor without gearbox housing

- No levers in the leg area
- Large door opening angle

Comfort driver's seat

- Pneumatic suspension, 80 mm suspension
- Height adjustable: 60 mm
- Backrest extension
- Mechanical lumbar support
- Seat width: 400 mm
- Heated driver's seat
- Storage compartment by the door, fold-away

- + Easy to get in and out without the transmission tunnel getting in way
- + High suspension comfort
- + Perfect working position in combination with adjustable steering column







Adjustable steering wheel and dashboard.

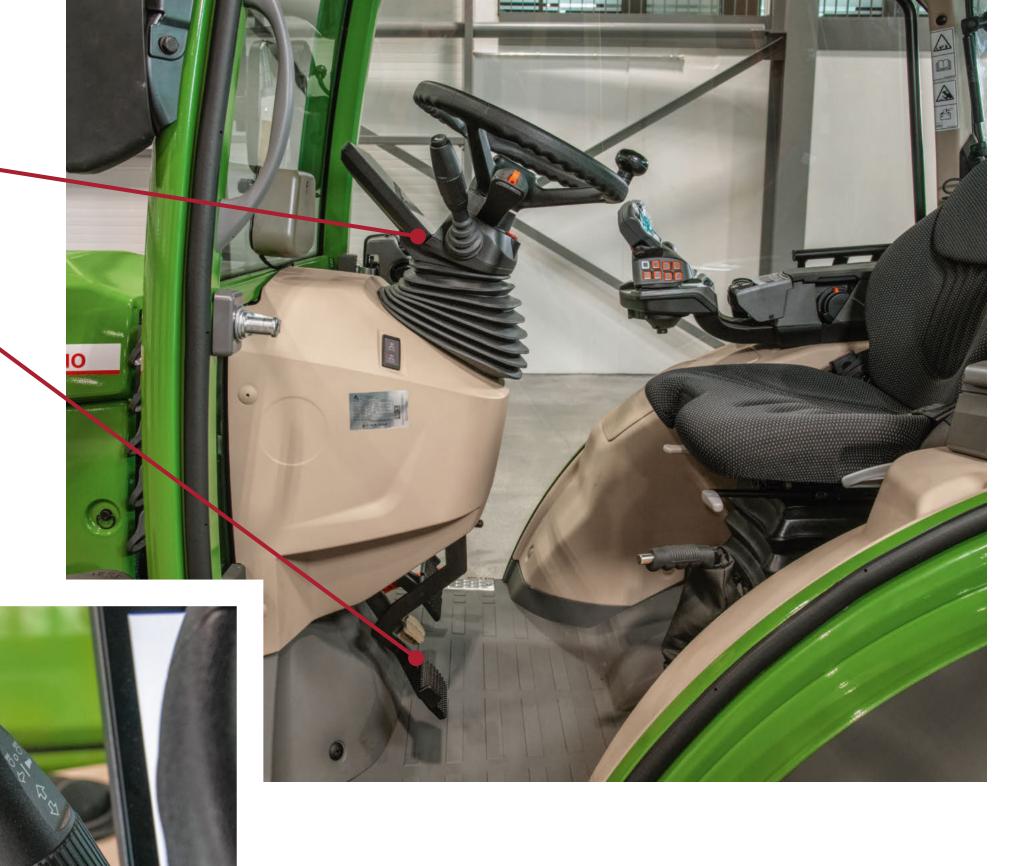
Swivel steering column with cockpit (dashboard)

Dashboard built into steering column, pivots when you adjust the steering wheel

Specific and easy adjustment of height and tilt with foot pedal

Indicator with 3-way reset: depending on steering angle, time and swivelling!

- + Perfect ergonomic adjustment
- + Perfect view while avoiding glare on the dashboard by adjusting the height and tilt



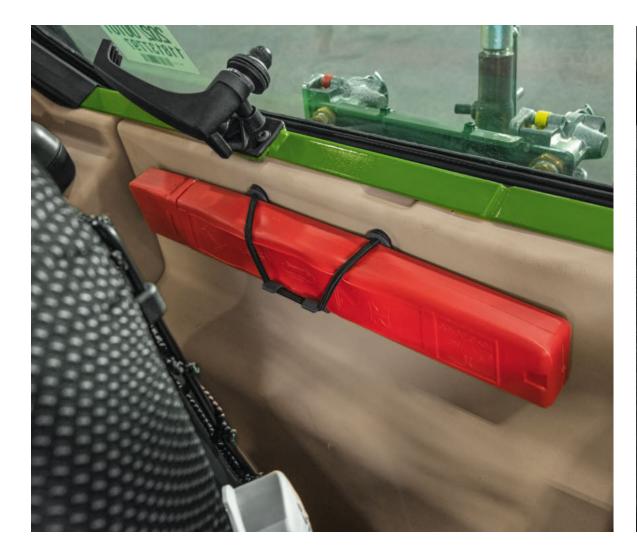
FENDI

Cab – details and interfaces.

Storage compartments and interfaces

- Fold-away compartment with USB port under the control panel
- Storage compartment on left
- Sockets and various interfaces including camera input











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Central dashboard.

Central, adjustable digital dasboard

01/min ← 01/min

- Make settings for the digital dashboard using the pushdial on the steering column
- Swivels and extends out with the steering wheel by using the foot pedal, for easy entry and exit
- Street and field mode



If you change the default view, regulation-compliant road data appears on-screen



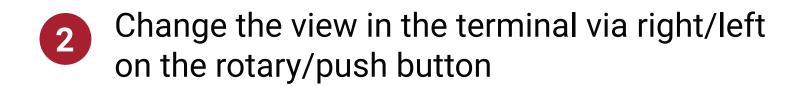


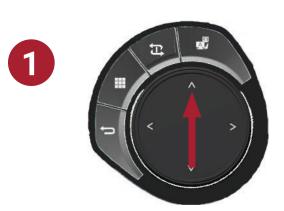


Dashboard: Settings and navigation.

Pushdial – controls

With the engine on, you see the road-mode full screen by default











Dashboard: Settings and navigation.

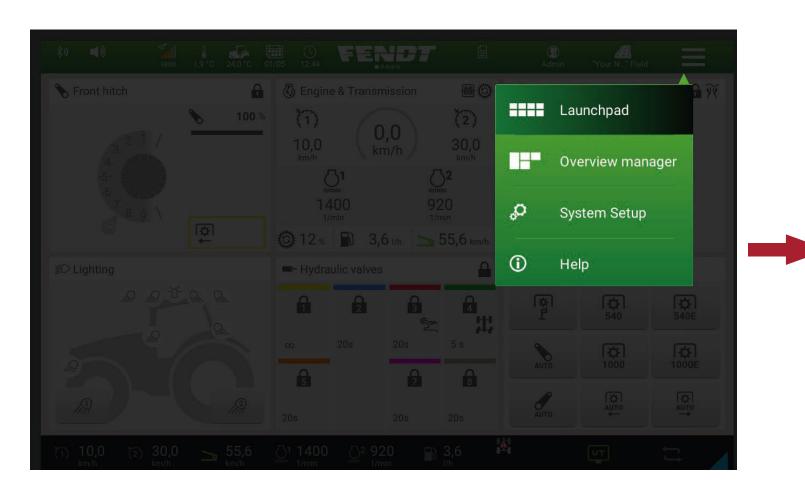
Pushdial – main group controls

- 1. Front power lift
- 2. Hydraulics
- 3. Rear power lift
- 4. Engine and gearbox
- 5. Front axle suspension
- 6. Consumption readings
- 7. On-Board computer
- 8. Climate control
- 9. Lighting
- 10. Preferences
- 11. Service & Diagnostics
- 12. IOM Individual Operation Manager

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Overview manager control.

Overview Manager – 12" terminal



Overview manager for customising the terminal pages

- More display area with up to 6 tiles per page (instead of 4 tiles so far)
- Set up to 15 screens for each work profile (formerly 'recipes'),
- Driver can choose the language and display brightness
- Intuitive customisation of the terminal pages by drag & drop



Factory default setting with 6 tiles can be changed as desired

• The various tiles and pages can be changed via drag & drop



For a better overview

• Functions can, for example, also be displayed on 4 tiles, such as track guidance here

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Workstation FendtONE – Operation.

Overview – workstation controls (e.g. Profi+ Setting 2)

12" terminal

BEDDEDDES

Multifunction joystick

Orange buttons: transmission functions

3L-Joystick

Control swing power lift, tilt and side adjustment and rear power lift

Assigned by default to hydraulics valves

Softkeys and dial for control of Terminals and digital dashboard

Operation air conditioner

Joystick built.

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Joystick and multifunction joystick

4-way joystick with countless functions:

- Choose direction
- Accelerate / decelerate
- Reverse
- Activate cruise control 1 and 2
- Dial to set the cruise control speed
- Open engine speed memory 1 and 2
- Acceleration ramp

Other functions:

- 5 white + 4 petrol-coloured buttons for you to assign
- Proportional control and floating position for 2 hydraulic valves

+ Easily and ergonomically control countless functions without repositioning





Button assignment.

Button assignment: Multi-function joystick - Armrest buttons

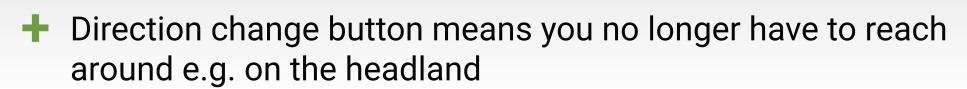
- 1 Display shows actual assignment
- 2 Choose the functional groups
- 3 Default setting Fendt Settings
- A green frame shows that you can reassign it (not visible in the image!)
- 5 Direct access via Launchpad

Controls – 3L joystick.

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3L joystick – control of hydraulics as well as tractor functions – ISOBUS and 3 operating levels

- Perfect, customised ergonomics: up to 27 functions, distributed over up to 3 operating levels
- ISOBUS and tractor functions can be connected centrally on one lever.
- Built-in, extra direction change button
- In combination with the hydraulics, you can carry out 3 functions at the same time
- Colour-coding helps you reassign functions
- Optional: 3L joystick (setting 2)



+ Fully customisable with functions that can be reassigned







12" terminal.

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12" Varioterminal

- Clear status indicator with header and footer and simple navigation
- •Up to 6 freely configurable applications (panes) per page
- Creation of user profiles to save page views and settings for changing drivers
- Can be operated via touch and rotary push-button, Integrated day and night design, Automatic dimming of the operating elements
- Tilt-adjustable terminal
- Terminal series

- + Large display area
- Intuitive operation
- + Flat menu structure to easily find individual functions
- ♣ Possibility of personalisation through freely configurable pages or tiles



Control buttons on the control console.

Controls on the console (keyboard)

Function keys, colour-coded by function group

- Quick orientation and avoidance of operating errors thanks to a well thought-out colour and lighting concept
- Optical feedback in case of function reassignment and thus avoidance of operating errors

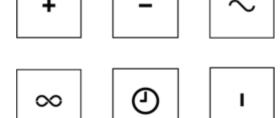




Use of fingertip spools on the armrest.

Pair of fingertip spools (linear modules)

- Each fingertip has 5 positions: 1. Plus
 - 2. Minus
 - 3. Float position
 - Continuous function (via terminal)
 - Time function (via terminal)



- 2 Lock and unlock each fingertip spool separately
- 3 Lock/unlock hydraulics together





Pushdial on steering column.

Pushdial (touchpad) - navigate the dashboard and touchscreen

- 1 2-axle pushdial; 1 x press = OK
- Touchpad left/right: Switch between display surfaces
- 3 Touchpad top/bottom: Quick access to control menu/logbook
- 4 Air-conditioning system / ventilation (not visible)
- 5 Toggle between views
- 6 IOM (Individual Operation Manager)
- Quick access to control menu
- 8 Back function

Light design

- Buttons are backlit and have a day/night mode
- LED light ring on the pushdial

Ventilation – air conditioning.

Fan and air-con design

- Design with ventilation and heating
- Optimised air flow over a total of 8 air vents:
 - 6 adjustable vents in the roof area 4x front and 2x rear
 - 2 vents at the top for the windscreen
 - Centralised control via rotary knob and terminal
 - Inside temperature indicator in the cockpit
- Standard automatic air conditioning
 - Over-pressure function
 - Auto defrost
- For winter service requirements
 - Additional electric underfloor heating
 - Electrically heated front and rear windows
 - Auxiliary heating/air conditioning
 - + Pleasant climate in the cab, even at the start of work
 - + Combined heating and climate controls are easy and comfortable to use
 - + Quick defrost mode to demist the front and side windows
 - → Over-pressure function prevents dust and aerosols from entering the cab









Auxiliary heating - Auxiliary air conditioning.

A timer for the automatic climate control can be set in the "Air conditioning" tile in the terminal

- Desired day of the week, time and temperature can be set
- Multiple timers possible
- Front window heating can also be activated

+ Pleasant temperature as soon as you get into the vehicle

Ventilation – air conditioning. 2/2



Using the ventilation – climate control

- Touch or pushdial on the 12" terminal
- Quick adjustment optionally via rotary knob operation on the steering column
- 1 Left/right: Fan setting min max
- Turn: Temperature up / down
- Press: Activate automatic mode
- Long press: Defrost mode (highest temperature & highest fan speed)

Settings on the dashboard and terminal

- 5 Frontscheibenheizung
- 6 Air flow
- Rear window heater
- 8 Fan speed
- 9 Automatic mode
- 10 Defrost mode
- 11 Overpressure operation
- 12 Temperature setting

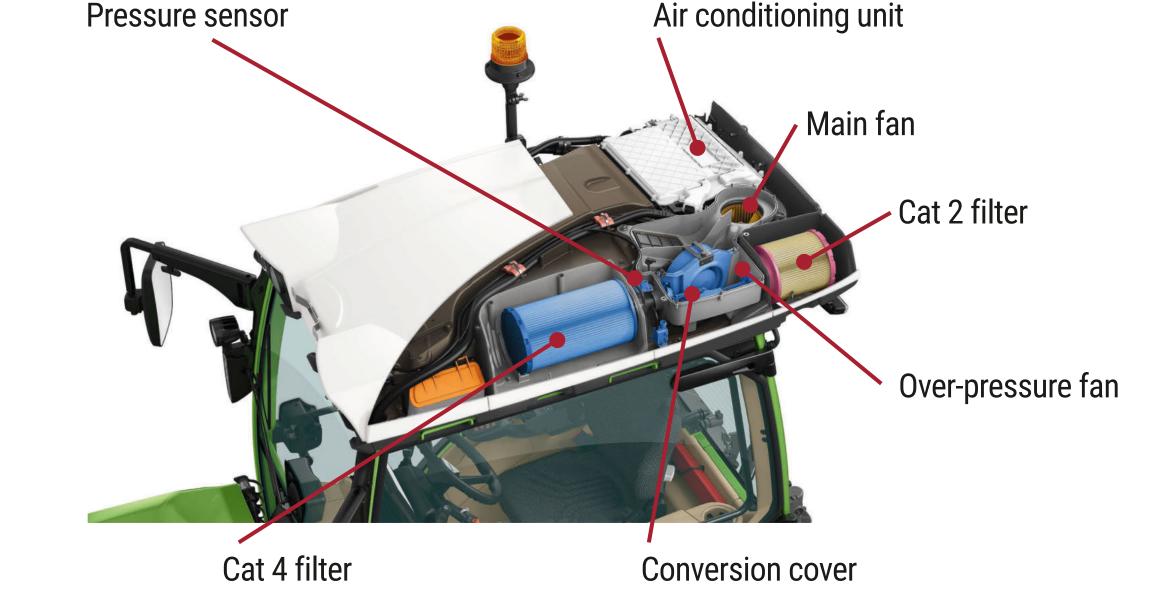




Cab with Cat. 4 filter protection system.

Cab with optional Cat. 4 filter protection system

- New cab means the cab air filter system can be converted to protection category 4 ex works.
- By default, the cab fulfils all protection category 2 standards.
- But the filter system can also be upgraded to protection category 4 in accordance with EU standard EN15695, with protection against dust, liquid fertilisers and their vapours.
- Activation of the switchover flap via button in the terminal: Cat. 2 filter is closed and Cat. 4 is opened
- •Once the work is complete, the filter system can be easily converted back to Cat. 2 via the terminal.



- + Fendt e100 V Vario fulfils all plant protection requirements ex works
- + Easy to convert on the terminal



Infotainment package.

Hands-free equipment

- Digital gooseneck microphone
- Optimum reception and transmission quality for hands-free calls, elimination of background noise

Radio reception

- Alternative frequencies: continuous search for the same radio stations on alternative frequencies in order to achieve the best possible reception quality at all times
- DAB+: Interruption-free switching back and forth between DAB and FM (seamless blending)
- Display of the artist, title and station logo

Audio output

- 2 speakers for perfect sound in the cab
- No interruption of the audio output when starting the motor

Connectivity

- Bluetooth
- •USB
- AUX-IN

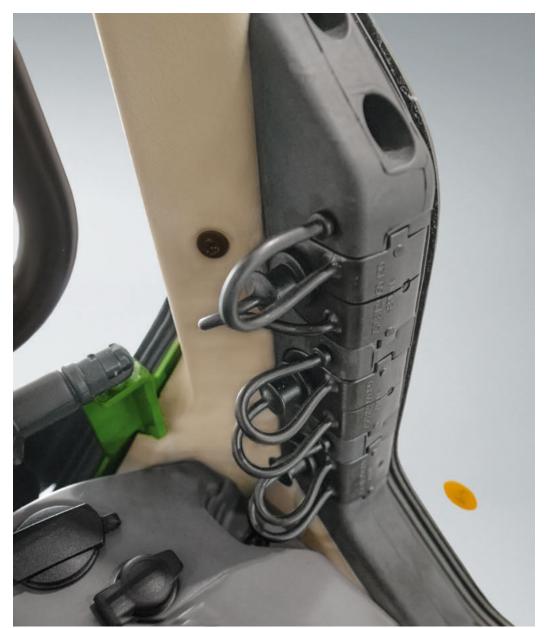


Cable lead-through, front and rear.

Built-in cable ducts at rear and front

- Integrated cable ducts under the rear window and at the front:
 - Less dirt ingress into the cab
 - Cab stays watertight (Cat 4)
 - Better sound insulation
 - Cable clips on the C-pillar

- Quiet, clean and tidy workplace
- No danger/damage from loose cables hanging around







Windscreen wipers.

Windscreen wiper

- Parallel wipers with integrated water nozzle
- With interval mode and continuous modes 1 and 2
- Large wiper field
- Optional rear window wiper incl. window washer system

 High wiping performance and large wiping field for driving safety even in heavy rain







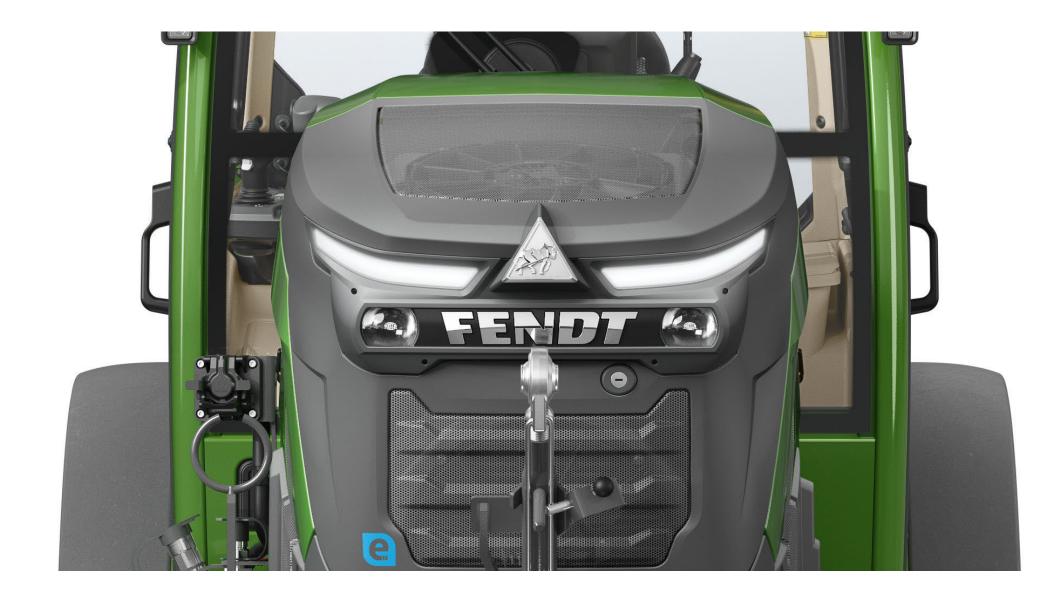
Lighting.

Lighting

- LED headlights
- When switching to high beam, light distribution and brightness of the dipped area remains unchanged
- Far-reaching light extends existing light cones
- Daytime running lights for better recognition
- Up to 7 work lights front and back
- All work lights are LED headlights

- + Best illumination for high safety and optimum working even at night
- + Lets you work longer and make better use of the tractor
- ★ Longer service life and energy savings with LED headlights





FERICA:

Cab lighting, front and rear.

- Work lights front roof (LED)
- Auxiliary headlights
- Clearance lights and indicators
- Work lights A-pillar (LED)



- Daylight running light
- 6 · LED headlights
- Work lights rear roof (LED)
- ASW Dach hinten Mitte (LED)





Lighting – Operation.

Operation

- Setting via Terminal-Lighting menu
- Lighting controls all together in one place
- 2 programmable lighting modes
- 2 Coming-home option adjustable timer

- + Convenient operation via terminal
- + Simple and intuitive controls for all the lights without repositioning
- ★ Turn pre-selected working lights on/off quickly and easily









FendtONE operating philosophy.

Greater personalization of operation – adaptation to the respective work processes

FendtONE solution

For the first time, operating locations can be flexible

- Tractor functions
- ISOBUS functions
- TeachIn functions
 for the first time
- Reassign buttons in the IOM (Individual Operation Manager) menu



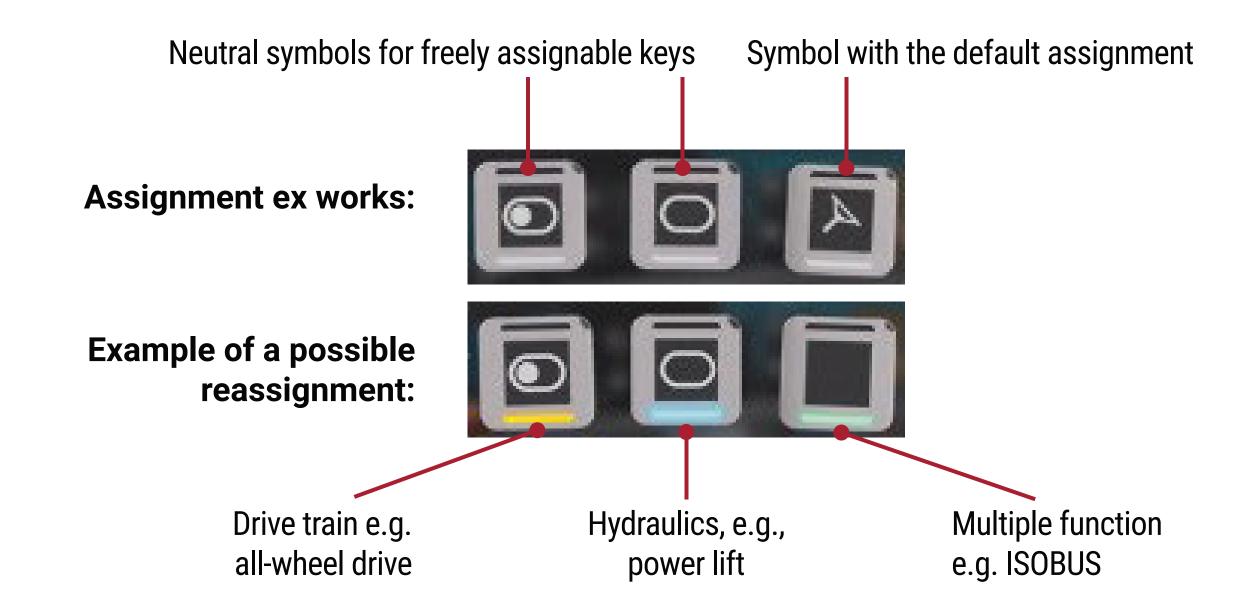
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FendtONE operating philosophy.

Additional safety in operation

FendtONE

+ Symbols on the buttons are deactivated when reassigned. If the function of the button doesn't match the symbol, the symbol disappears.





FendtONE operating philosophy.

Unique selling points

Freely programmable armrest - the first on the market

- + Free assignment of the buttons
- ♣ Individualisation via Individual Operation Manager (IOM)

Unique colour concept for a better overview

- Logical and dynamic colour concept
- ♣ Optimum overview thanks to the colours assigned to the function groups

Extension of the display area - terminal network

- + First operating concept on the market with terminal network and central computer unit ex works
- + Real-time synchronisation of content on all terminals

The only consistent operating philosophy on the market

- + First holistic operating approach on the market
- ♣ No change in operation between driver's workstation and offboard system in the office

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FendtONE summary.



1. More display surfaces

- **Digital 10" dashboard:** flexible display of important data such as on-board computer, button assignment, etc.
- 12" terminal in the roof: Individual display of tractor operation, guidance system, ISOBUS implements, etc.

2. More operation options

- Multifunction joystick more buttons ready to be assigned (including ISOBUS)
- 3L joystick: up to 27 functions distributed over up to three operating levels (also for ISOBUS functions)
- 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
- Free assignment of buttons and visual feedback to avoid operating errors
- Personalization of the display surfaces

2 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 power lift
- 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

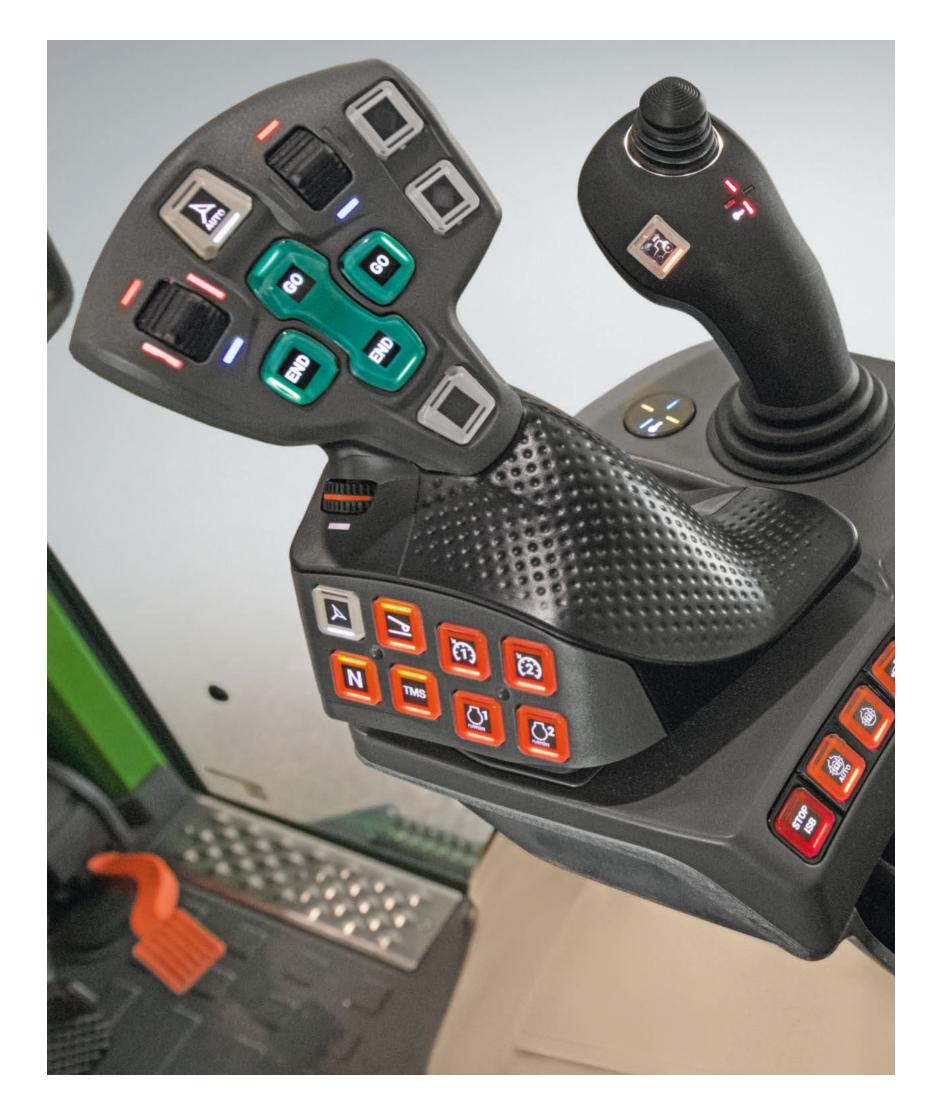
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Multifunction joystick.

Functions

- Optimum speed adjustment at any engine speed
- •Use the buttons to view the 2 cruise controls use the dial to adjust
- Automatic load limit control
- •TMS consumption-optimised automatic control of engine speed and gear transmission
- Control using the joystick or the driving pedal controller
- 4 acceleration ramps: 1x tap gives the following acceleration levels at nominal speed:
 - Ramp I: 0.02 km/h 0.5 km/h (adjustable)
 - Ramp II: 0.5 km/h
 - Ramp III: 1.0 km/h
 - Ramp IV: 2.0 km/h
- Switching between accelerator pedal resolution I/II (speed can be set in the terminal)

♣ All driving controls are on the 4-way joystick with extra function keys



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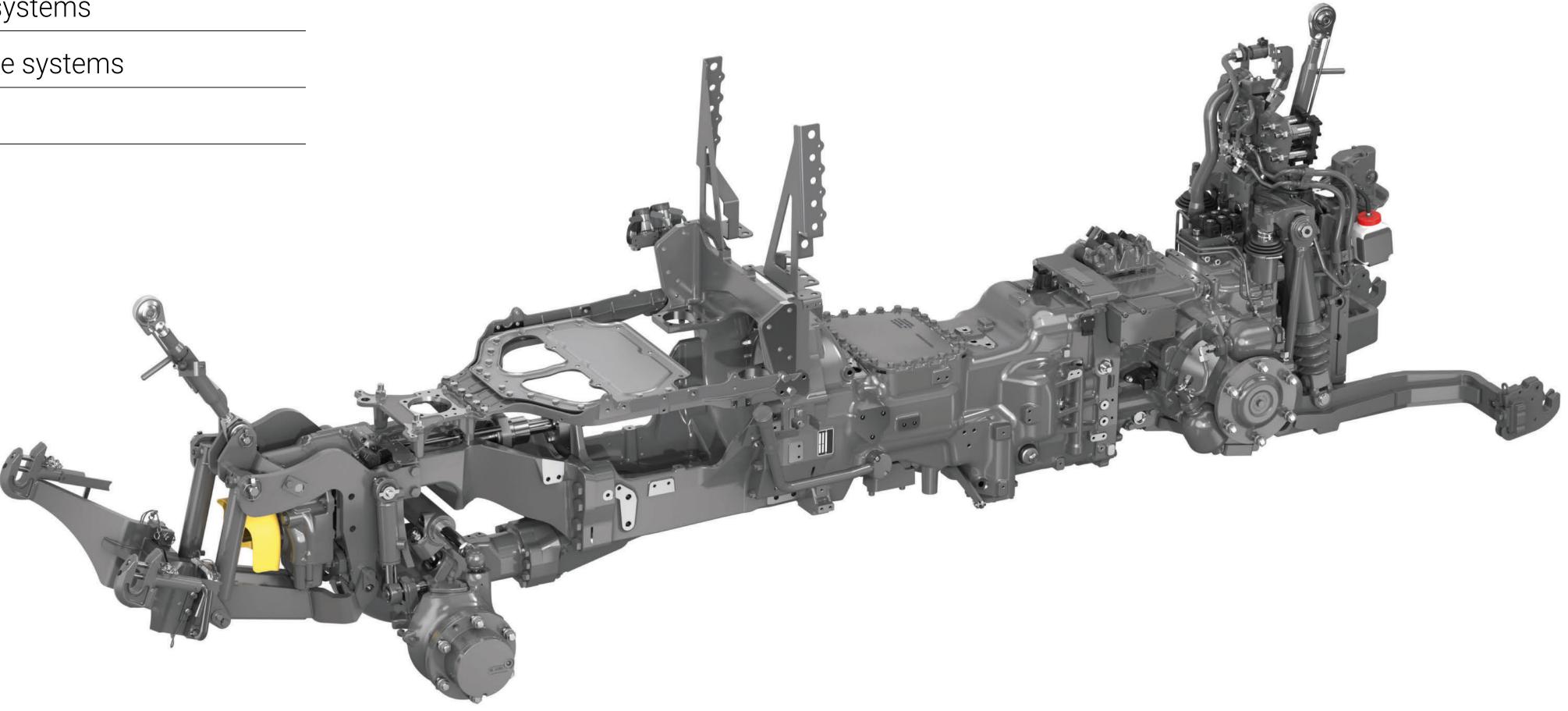
Build – frame.

Modular design with slender frame

Chassis – Steering systems

Chassis – Assistance systems

Ballast



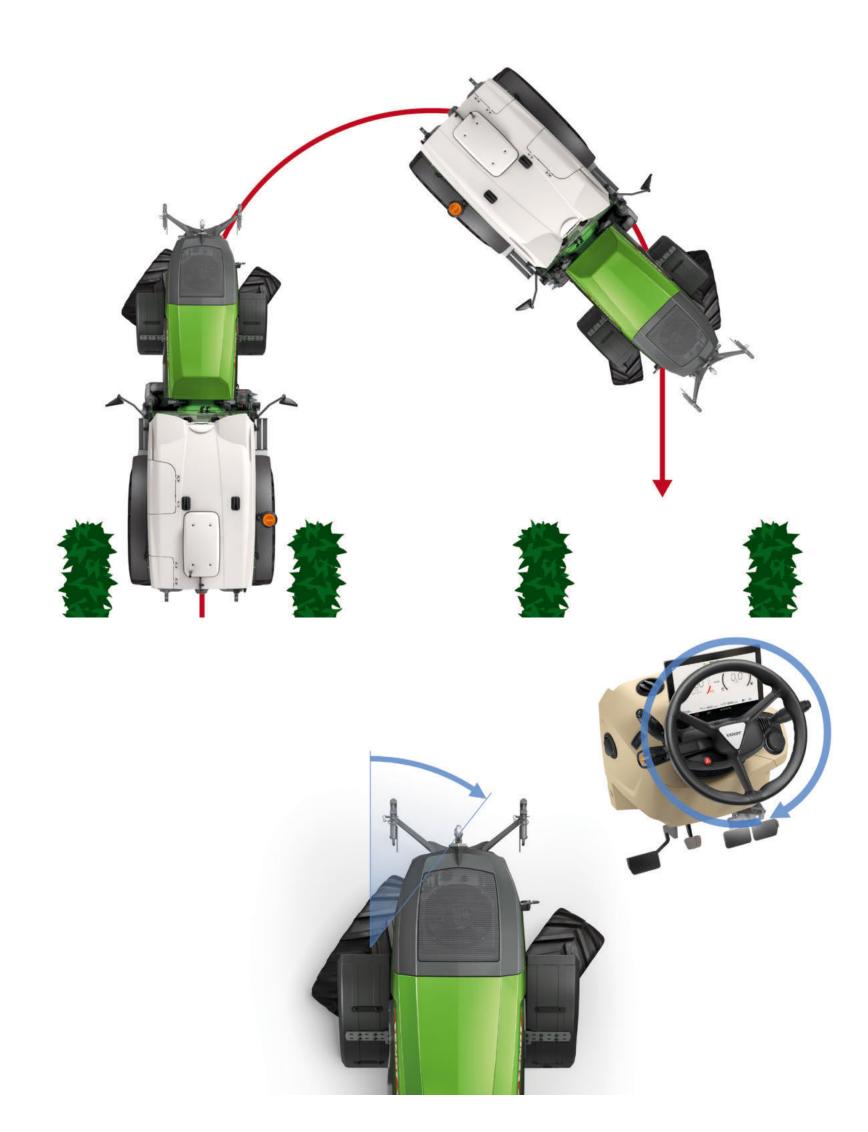
FENDT

Modular design with slender frame.

Concept

- Modular design with slender frame
- Slender design promises a 58° steering angle with 3° caster angle
- Waisted build gives you the best view and a wide steering angle
- Half the number of steering wheel turns with FendtActive steering for fast turning on the headland

- Perfectly integrated front power lift
- + Compact and sturdy design
- + Slender design for maximum manoeuvrability
- + Greater steering angle



Chassis – steering systems.

Fendt Reaction steering and superimposed steering system FendtActive

- Fendt Reaction steering system with built-in reset torque for safe straight-ahead driving and sensitive steering
- As easy to steer and drive as a passenger car
- FendtActive superimposed steering (in conjunction with Profi+ equipment)
- Application advantages: Halving of steering wheel turns at the headland or during front loader work
- Button-activated: same steering valve as Fendt Guide
- Tractor drives with active superimposed steering max. 25 km/h
 - No restriction up to 8 km/h
 - from 8 to 18 km/h, there's a linear reduction of the superimposed steering





Without FendtActive

1 turn

 $= 26.6^{\circ}$

With FendtActive

1 turn

= 43.3°



FENDT

Chassis – assist systems.

Assist system deceleration and brake assist

Brake light assist:

- If the vehicle slows down even without you activating the brake, the brake light comes on
- Benefit: faster early detection for subsequent traffic.

Deceleration assistant when driving with equipment attached:

- Thrust detection improves driving stability and flexibly adjusts the deceleration.
- Benefit: Less load on the drive train and a long service life.

- + Safe to drive with the best manoeuvrability
- Low wear



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Ballasting.

Ballasting concept

Ballasting: Front:

- Without front power lift: Front axle weight 60 kg + max. 3 suspension weights 32 kg With front power lift – mounting on the mounting plate of the front power lift:
- Load weight 165 kg
- Load weight 285 kg
- Load weight 400 kg

Wheel load weight at 125 kg/pair (62.5 kg/wheel)

- Variable ballast options
- + The best weight for every job
- + As much traction as possible, as little weight as required
- Improved traction
- Axle-load distribution balanced with heavy attachments

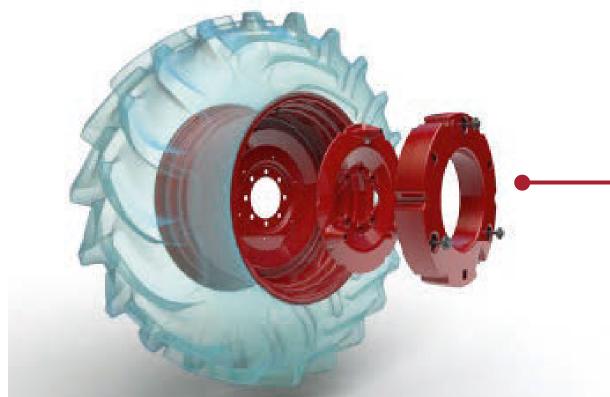
Front mounting plate (without front power lift) 60 kg

Up to 3 suspension weights 32 kg





Front/rear weight: 400 kg



Wheel weights (rear): 2 x 62.5 kg

Fendt e100 V Vario - Axles

Axles.



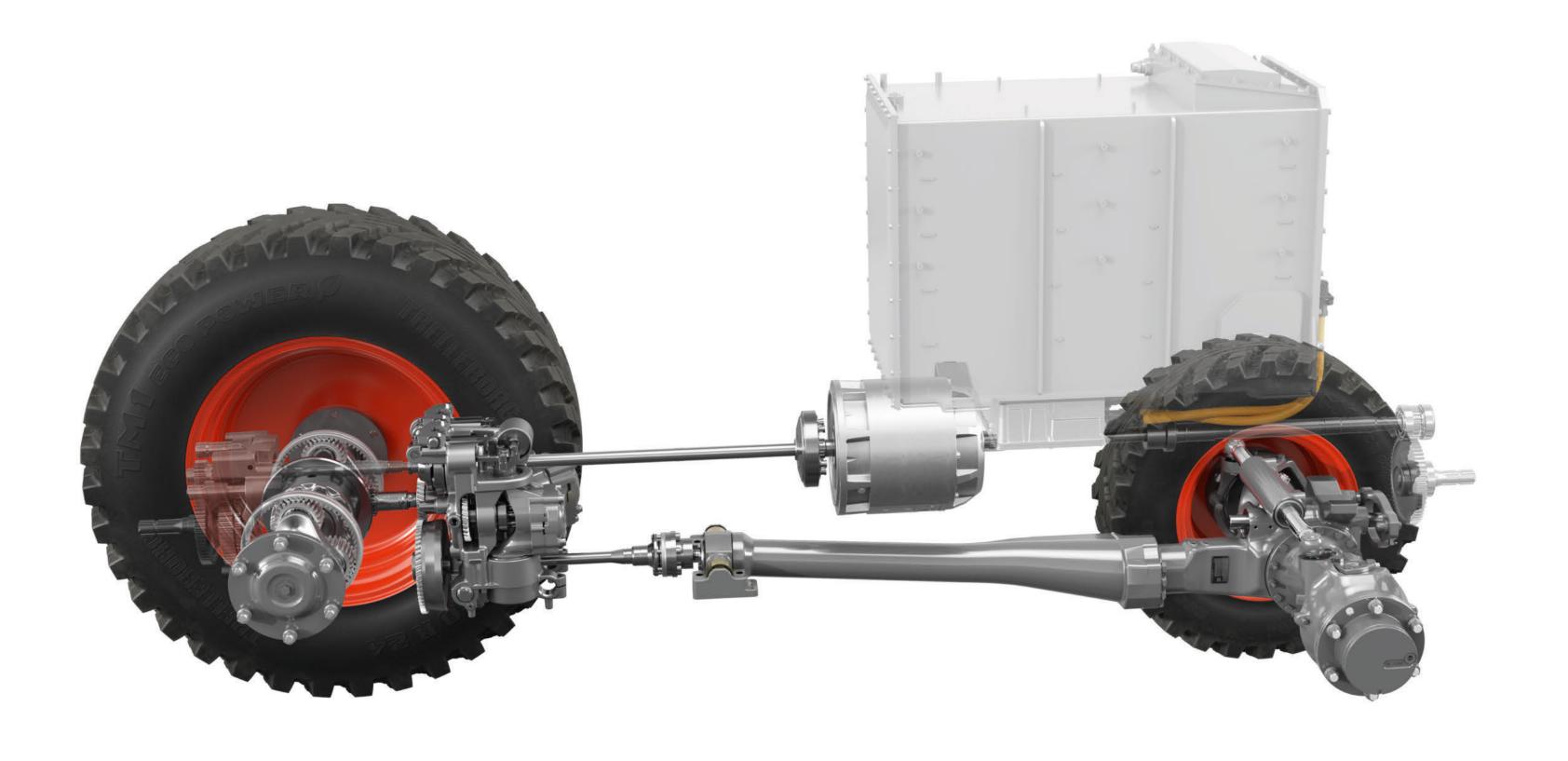
Front axle – all-wheel management

Front axle – differential locks

Front axle suspension

Rear axle concept

Rear axle – brake system





Front axle – all-wheel management.

Intelligent all-wheel management for the best traction and soil protection

Easy control with pushbuttons on the control panel:

- Auto 4WD
- 100 % four-wheel permanent

	Function	Practical benefit
	AWD always on	Full powertrain function
4WD	Auto 4WD 4WD on and off - from 22° steering angle - from 20 km/h	> Takes the strain off the driver> Protects the soil> Full manoeuvrability> Less tyre wear

- ★ Wet, electro-hydraulically actuated disc coupling
- High operating comfort
- + High tractive power transmission fully able to shift load
- → Distortion-free and optimum manoeuvrability at the front, as well as low tyre wear and reduced road noise with auto AWD
- → Improved safety, as the 4WD is always on when stationary or if the power cuts out



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Front axle – differential locks.

Intelligent differential lock management

Easy control with pushbuttons on the control panel

- Auto differential lock
- 100 % differential locks on

- → Smart differential lock system that's very gentle on the soil and gives the best traction
- + Easy to Use

- ♣ Optimum manoeuvrability and protection of the tractor at the headland thanks to automatic differential lock



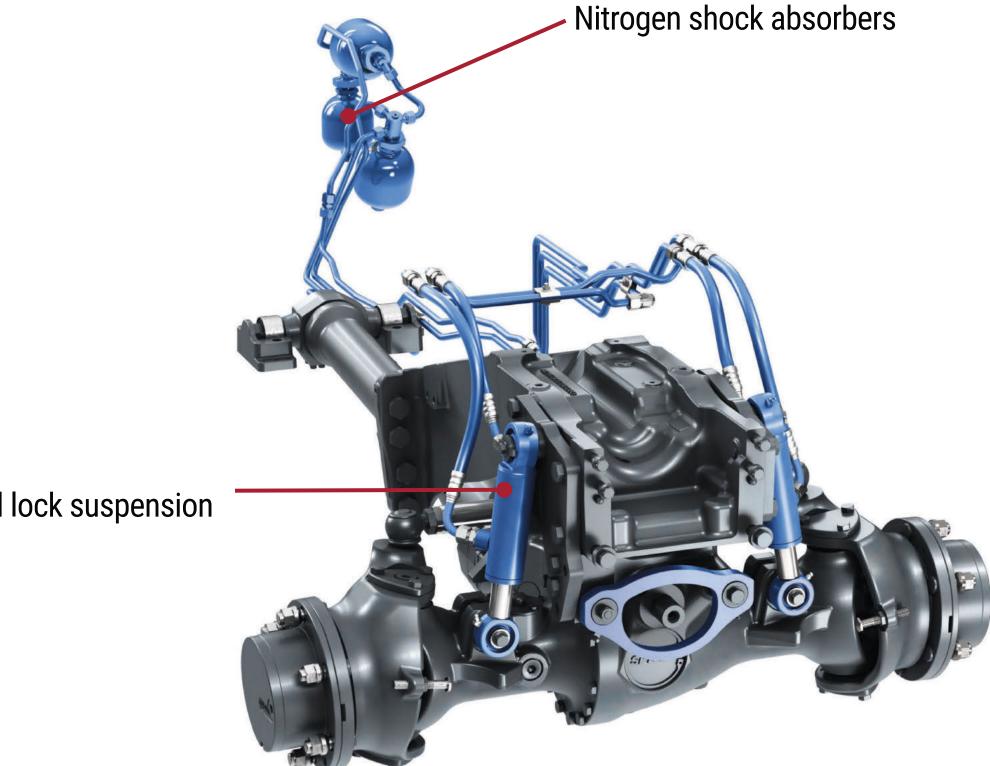
Function		Practical benefit		
Differential locks	100 % multi-disc differential lock	Full power transmission, even in extreme situations		
	Auto differential lock Switching on and off - From 12° steering angle - For brake actuation - Switch off from 20 km/h	 Takes the strain off the driver Easier turning manoeuvres without tension Higher tractive power transmission 		



Front-axle suspension with anti-roll support.

Up to 7% more area coverage, couldn't be easier

- Level-controlled front axle suspension: 80 mm suspension travel increases area performance by up to 7 % thanks to permanent traction
- Anti-roll control for best driving stability and reduced rocking movements
- Consistently easy driving whatever the load, with self-levelling system and position sensor
- Better work results thanks to more precise guidance of front implements
- Lockable suspension: for precision loading work
- Front-axle swing is maintained even with suspension locked
- Complete suspension travel available when stationary
- * DLG Focus Test 11/05



Activate and lock suspension

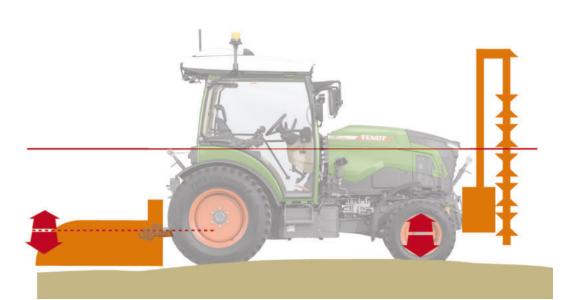


Front axle suspension – in practice.

1 Driving down the rows in complete comfort

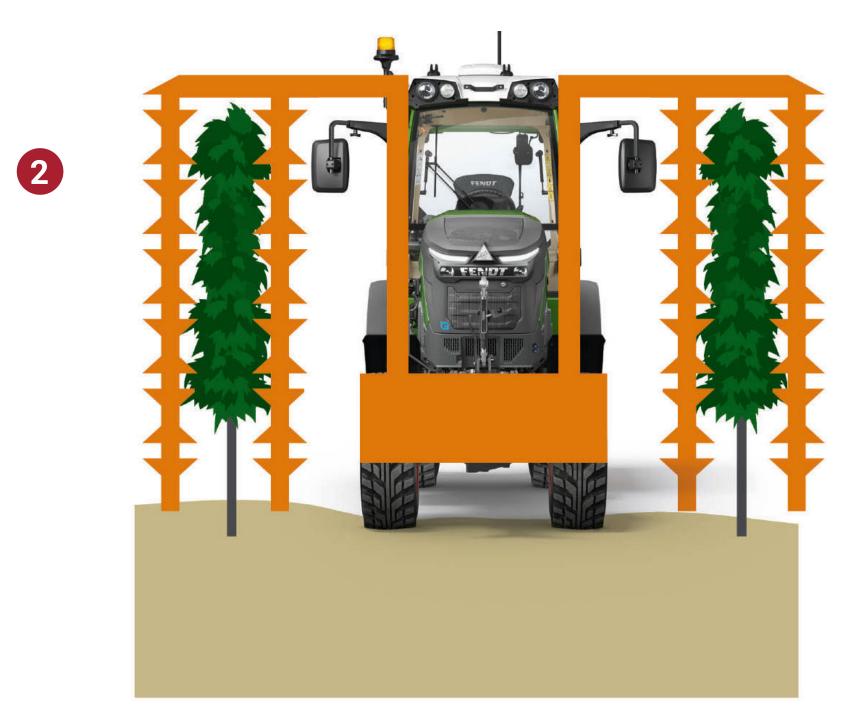
- High level of driving comfort down to a smart combination of three systems: self-levelling front axle suspension, silent cab bearings and rear shock load stabilising system.
- High stability against overturning as rocking movements are reduced by 32%





2 Suspension when working with a foliage cutter:

- level-controlled suspension with anti-roll control always provides sensitive cushioning on uneven ground.
- Foliage cutter swing is reduced by 17%
- Practical benefits:
- Better work results thanks toconsistent working height and lateral tilt
- Calm work environment without constantly having to compensate.



Benefits.



Front axle suspension with anti-roll control – benefits

- Anti-roll control support for high stability and work safety with reduced rocking movements
- Work very safely with better steering and brake safety
- Locking function for precise device guidance
- + High maximum spring-loaded axle load
- ◆ Up to 7 % higher area performance in heavy draft thanks to permanent traction and avoidance of so-called "power hopping"
- Unique work and driving comfort
- ♣ Reduction of acceleration forces on the seat surface by 27 %. This means less acceleration on the driver for a calm and relaxed working environment
- ★ Example: when cutting leaves, the level-controlled suspension with roll support reliably and sensitively absorbs uneven ground.
 Benefit: consistent working height and lateral tilt





Rear axle design.

Concept

- Rear axle HA 70 with forced feed lubrication
- Permissible rear axle load of 3.2 t
- •100 % disc differential lock with comfort control
- Improved braking system for high permissible overall weight

- + Less wear yet improved performance form the rear axle with forced feed lubrication
- + Stable construction due to planetary rear axle



Axle loads with standard tyres

Max. permissible axle load

Rear axle	e100 V: 3,200 kg
Front axle	e100 V: 2,300 kg

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Rear axle – braking system.

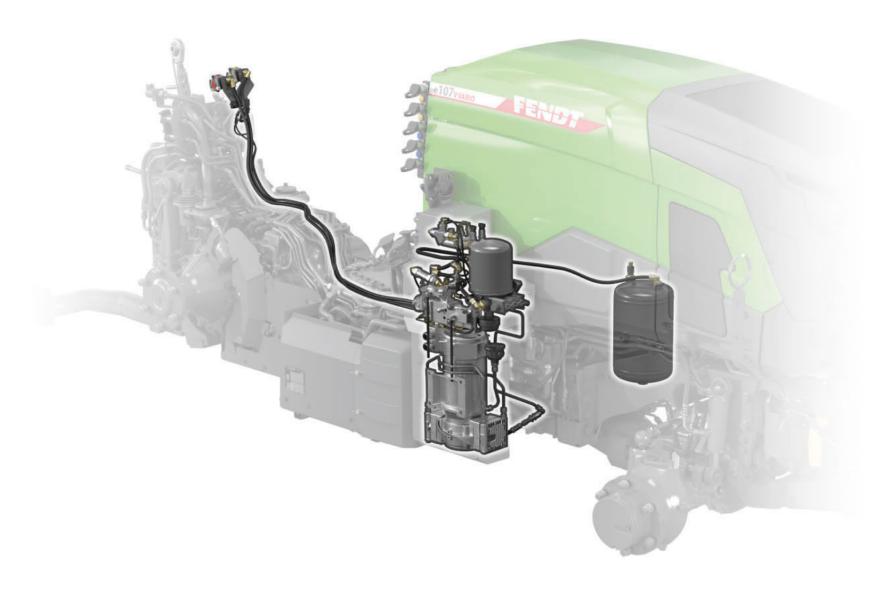
4-wheel braking system with brake pressure monitoring

- Large wet ring-piston brake with brake servo in rear axle
- 4-wheel brake with AWD on, safe braking on all 4 wheels

Parking brake

- Dry drum brake on drive shaft for a 4.8 t permissible overall weight
- With EC control position, the compressed-air trailer brake can be released to check whether the tractor parking brake can hold the trailer traction on the slope
- 2 attachment braking systems available:
 - Pneumatic brake with air dryer*
 - 2-line hydraulic trailer brake

- + Short pedal travel and low pedal force
- Highly durable with wet braking system
- All four wheels brake safely
- ★ Compressed air system with electronically controlled air dryer gentle on the compressor







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Fendt Smart Farming

Equipment variants

Fendt TI headland management system

Guidance system

Machine control

Fendt SectionControl

Fendt VariableRateControl

Fendt Implement Management

Agronomy

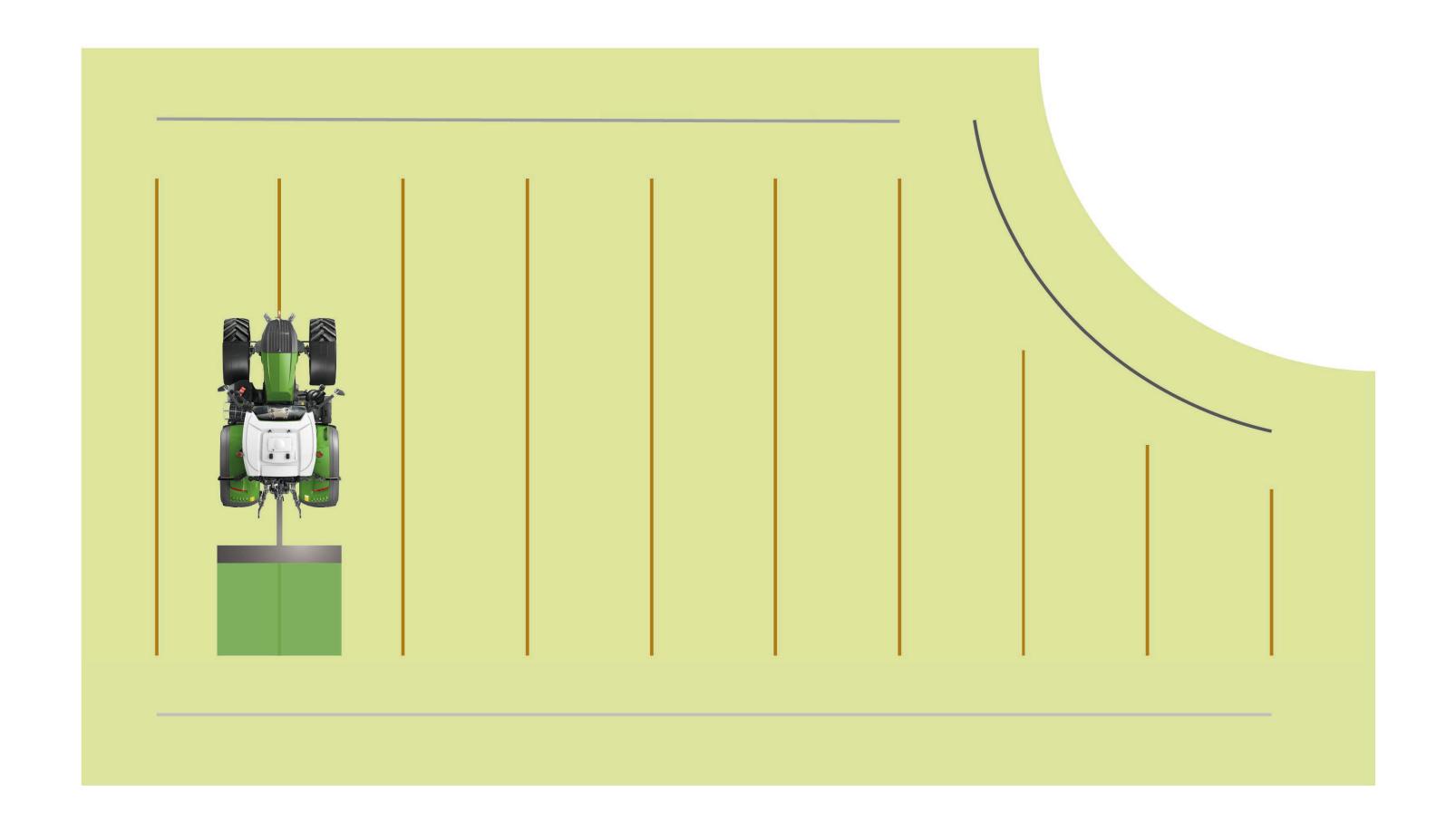
Fendt Task Doc

Fendt TI headland management system

Fendt TI Headland

Telemetry

FendtONE concept





Smart Farming – equipment lines.

	Profi	Profi+		
Hardware & GNSS				
Terminal in roof	12"	12"		
Compatible GNSS receiver		NovAtel, Trimble		
Correction services		Autonomous, EGNOS/WAAS, Trimble services, RTK		
FendtActive steering		Yes		
Basic features				
Supported waylines		AB, A+ angle, curve, circle, AB coordinates, A coordinates + angle		
Additional features				
Fendt Section Control		Optional		
Fendt Variable Rate Control		Optional		
Fendt TI Headland		Optional		
Fendt Task Doc Pro		Optional		
Fendt Contour Assistant		Optional		



Fendt TI headland management system.

Optimisation of recurring processes at the headland

- No other manufacturer offers such an extensive and in-depth headland management system like Fendt does with Fendt TI.
- With just one button press on the multifunction joystick, the driver activates the set automatic sequence at the headland
- This includes 5 different triggers, as well as numerous functions from 14 different function groups
- Record an entry or exit sequence using any functions (e.g. lift, lower, cruise control on/off, etc.) that you want to process
 - Easy programming both when stationary and on the move

- + Simple and intuitive operation
- Perfect integration of the multifunction joystick
- + 100% focus on the actual work

1	Trigger Fendt TI
1	Distance covered
2	Time elapsed
3	Lifting height of front power lift
4	Rear power lift lifting height
5	Pushbutton on joystick

Fendt TI headland management system

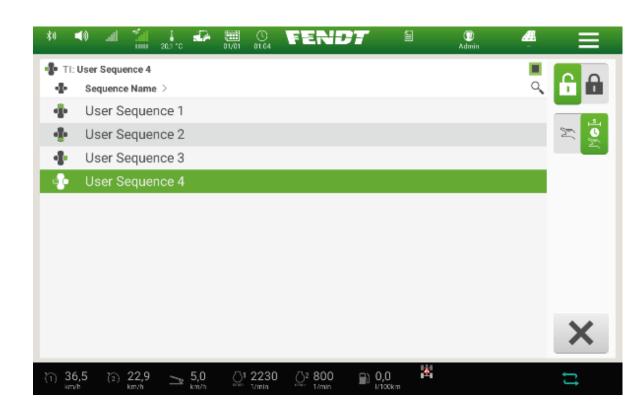
2	Function group	Functions		
1	Rear power lift	Lift, lower, slip control, quick feed. On/Off, Stop		
2	Front power lift	Raise, lower, on/off, fast drop, stop		
3	Rear PTO	On/Off		
4	Front power take-off	On/Off		
5	Hydraulic valves	Raise, lower, stop, float position, 3rd + 4th circuit		
6	4WD	Automatic, 100%, Off		
7	Differential locks	Automatic, 100%, Off		
8	Front axle suspension	On/Off		
9	Vario transmission	Cruise control 1/2 On/Off		
10	Engine control	View min./max. engine speed, end function		
11	TMS	On/Off		
12	Driving pedal	On/Off		
13	Guidance system	On/Off		
14	Reversible fan	ON		



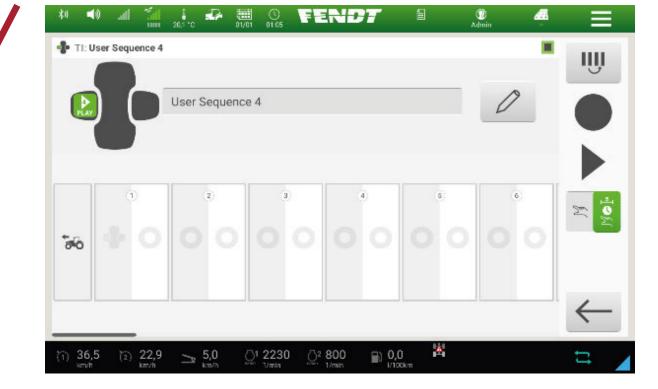
Fendt TI headland management system.

Headland management Fendt TI

Selection of the respective sequence by clicking in the field

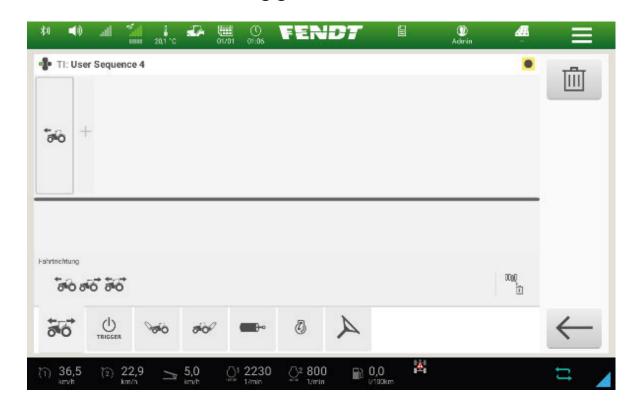




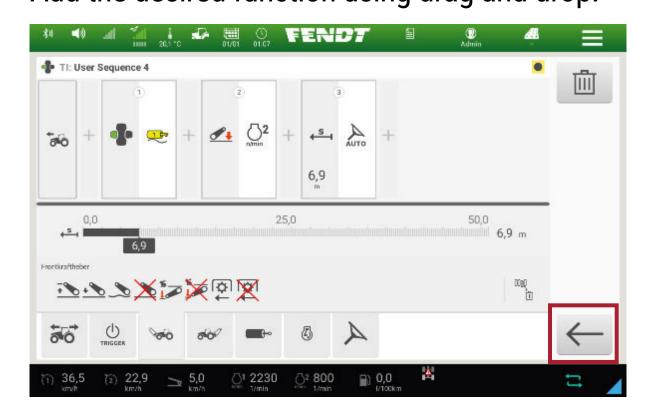




Selection of the trigger or the function



Add the desired function using drag and drop.



Click this button to save the sequence.



Fendt TI headland management system.

Practical benefits

- Fendt TI Series
- Simple and intuitive operation
- Perfect integration of the multifunction joystick
- 100% focus on the actual work
- Much less work for the driver: a single push of a button activates several sequences
- Consistent quality of work with every turning sequence, even during night work
- Work profiles can be stored for the perfect implement settings, even with different drivers

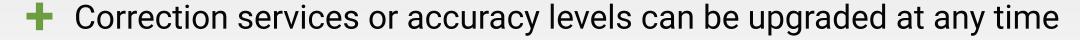




Guidance system – choice of 2 receivers.

Fendt Guide with new receivers

- Choose from 2 different GNSS receivers:
 - NovAtel Receiver SMART7
 - Trimble Receiver
- Every farm can choose the receiver that best suits their needs
- Protected installation
- With Quickstart tracking options in the track lines, NovAtel receivers are preselected in the machine configuration



- Vehicle can be equipped according to requirements
- ★ Affordable NovAtel receiver is fully RTK-ready
- + Additional technologies available with Trimble receiver
- + Protected installation





Trimble Receiver

NovAtel Receiver





Guidance System – Fendt Guide.

2 receivers – performance features





Correction service	NovAtel SMART7	Trimble	Pass-to-pass precision	Repeatable precision
SBAS (EGNOS / WAAS)	Yes	Yes	± 15-30 cm	± 150 cm
TerraStar-L	Yes ¹		± 15 cm	± 50 cm
NEW: TerraStar-C Pro	Yes ²		± 2 cm	± 2 cm
RangePoint RTX		Yes¹	± 15 cm	± 50 cm
CenterPoint RTX		Yes²	± 4 cm	± 4 cm
CenterPoint RTX fast		Yes²	± 4 cm	± 4 cm
RTK (NTRIP)	Yes³	Yes³	± 2 cm	± 2 cm
RTK (radio)	Yes	Yes⁴	± 2 cm	± 2 cm
RTK (Trimble network)		Yes⁴	± 2 cm	± 2 cm
RTK bridging mechanism	Steadyline RTK Assist ¹	xFill/ xFill Premium ¹		

¹ Licence required / ² Licence required / ³ SIM card and licence required / ⁴ Additional hardware required. Consent from Trimble base stations operator required.

Guidance.



Guidance system - Basic package

• Basic package equips the tractor for Guidance System and the Fendt Guide application

Benefits

- + Even more efficient field work
- + Simple and intuitive operation
- + Central updating and management of field data
- Helps the driver and reduces overlapping during parallel runs
- Higher productivity and fuel efficiency
- → Full range of functions for lane guidance (Fendt Contour Assistant)

Optional

- Fendt Contour Assistant
- Choice of different receivers
- •TI Headland
- NovAtel or Trimble options



Guidance System – Fendt Contour Assistant.

Fendt Contour Assistant - Contour segments

Fendt Contour Assistant supplements known track line types with the track lines contour segments, single track segments and single tracks

- 3 options for creating Contour Segments:
 - 1: Recording the contour segments
 - 2: Automatic calculation based on existing field boundaries
 - 3: Creation of contour segments from existing track lines
- •Once created, Fendt Guide automatically selects the appropriate segment based on direction of travel, angle and distance
- You can also add the field boundaries based on the Contour Segments

- + Quick and easy wayline recording for significant savings
- + Easy handling by automatically switching to the best wayline
- + You can fix a wayline to avoid switching
- → Option to convert the previously recorded (over many years) waylines into contour segments = data retention and analysis
- + Enhanced quality of work even on headlands through consistent use of the steering system

As at 01/2024 131



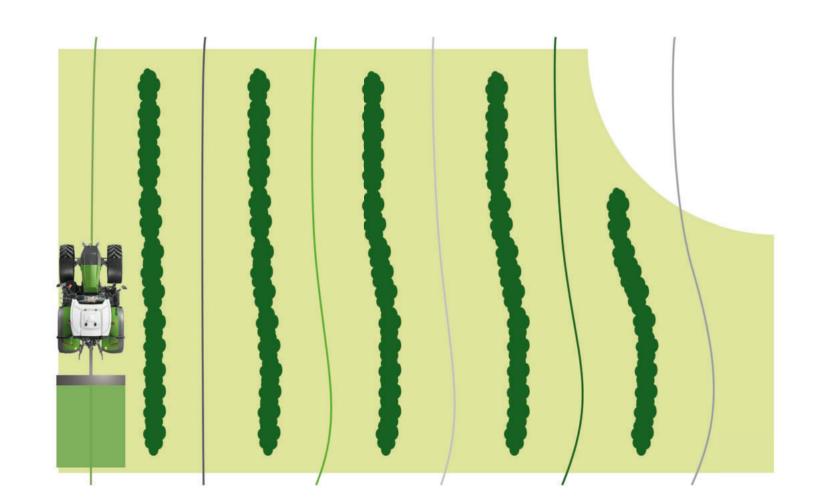
Guidance System – Fendt Contour Assistant.

Fendt Contour Assistant – single wayline

- During maintenance work (fertilising/plant protection) complete tramlines can be stored as one contour line (track)
- Perfect for use in harvesting and tending special crops planted without guidance
- Fields can normally be worked using a single track
- No automatic generation of parallel tracks

Fendt Contour Assistant – Single track segments

- In contrast to contour segments, you can create multiple individual tracks without duplication
- This function is therefore particularly suitable for perennial or permanent crops.



- + Use of the guidance system even for crops that were not sown with it
- + Tractor can drive complete field according to a single recorded wayline
- ★ Work facilitation and optimisation through automatic turning processes
- → Full concentration on the crop stock
- Consideration of obstacles

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Machine control.

Machine control – ISOBUS

- With the ISOBUS machine control system, an ISOBUS implement can be controlled simply and intuitively by your machine.
- ISOBUS machine control is a prerequisite for other ISOBUS functions such as Fendt SectionControl and Fendt VariableRateControl.
- Implement socket is positioned in the centre right



Benefits - Machine Control basic package - Fendt ISOBUS 200

- ★ More efficient use of the setup and resources
- Increasing the quality of work
- + Basis for site-specific processing
- + Saves on pesticides, fertilisers and seeds by targeting how you manage your work for each sub-section (VRC, SC)
- + Maximum range of functions to manage ISOBUS implements
- → Simple operation of complex implements: e.g., crop protection no additional ISOBUS hardware required thanks to Fendt 3L joystick* with up to 27 functions!

Optional

- Fendt SectionControl
- Fendt VariableRateControl
- Fendt Implement
 Management (TIM)
- Fendt Implement Management (TIM-Steering)

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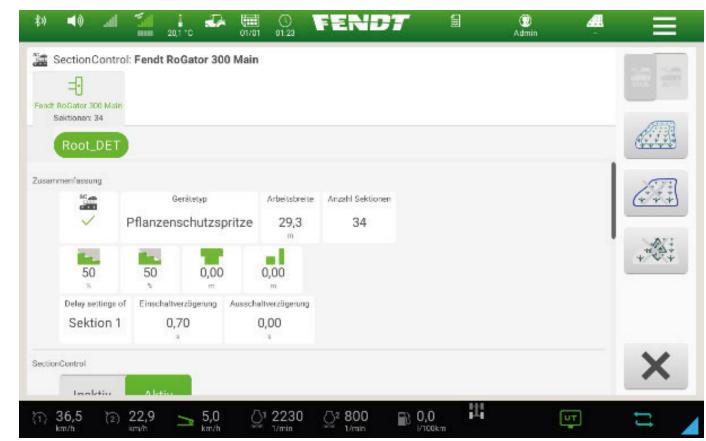
Fendt Section Control.

Fendt SectionControl (SC)

- Automatic sub-width switching in conjunction with Fendt Guide
- Implement parameters such as working width and number of sub-widths are automatically adopted by the ISOBUS implement
- Assistant for adjusting the precise activation/deactivation point
- Up to 144 sections

- Precision working
- + Saves on seeds, pesticides, fertilisers
- Making work easier
- Perfect work results even in poor visibility
- ★ Kind to the environment avoids overlaps and accurately keeps to field boundaries







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Fendt SectionControl with Assistant.

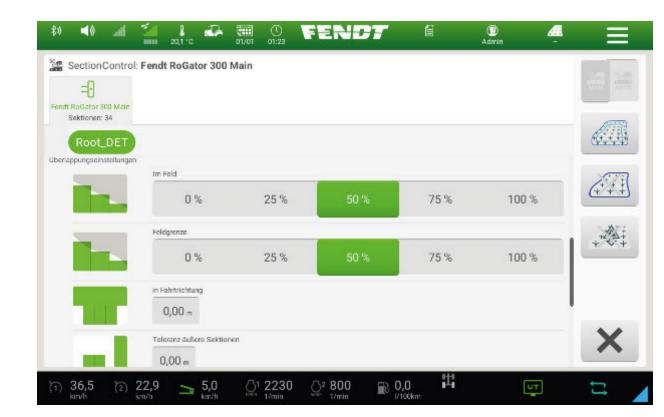
Fendt SectionControl Assistant

- With Fendt SectionControl Assistant, you can quickly adapt SectionControl-compatible attachments to the on/off delay
- Quickly optimise switch on/off times
- Missed sections and overlaps are effectively avoided
- •SC Assistant guides the driver step-by-step through all necessary entries
- SectionControl Assistant is integrated into the system

- → Quick and easy optimisation of the on/off delay
- Improvements based on easy-to-measure parameters
- Optimum results right from the start
- + Saves time and optimises the use of equipment







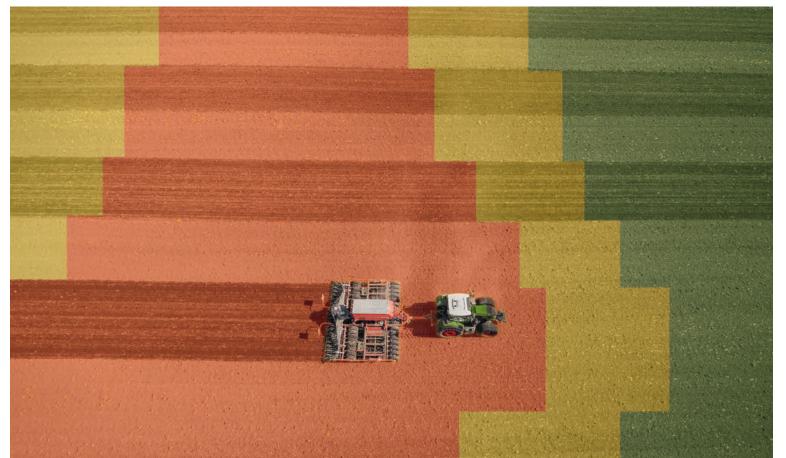
VariableRateControl (VRC).

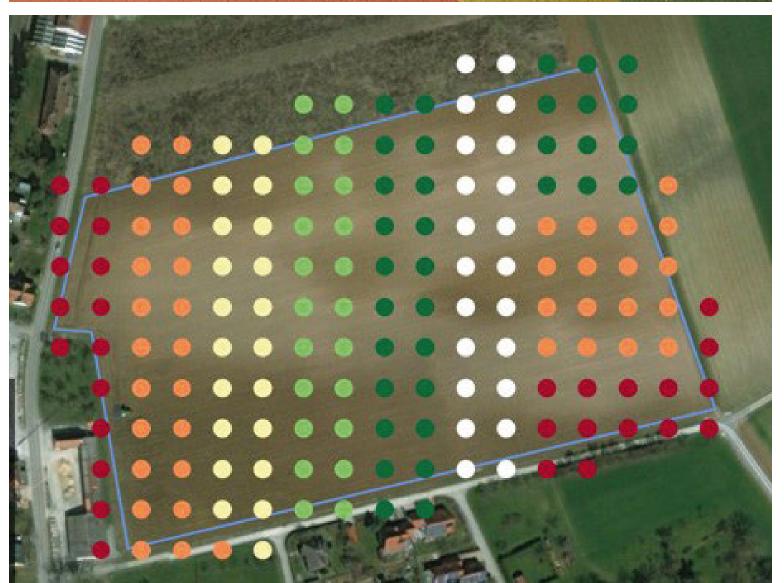
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Fendt VariableRateControl (VRC)

- Fendt VariableRateControl (VRC) is the area-specific application of different output volumes in a field
- Basic prerequisite for use: software activation
- Application maps in ISO-XML or Shape format are sent to the tractor via Fendt Task Pro
- All ISOBUS-capable implements can be controlled (TC-GEO)
- Extremely easy to monitor in map view
- Option to have 5 application maps open in parallel (if supported by the attachment)
- Fully compatible with Fendt SectionControl

- + More efficient use of resources
- + Basis of documentation for legal requirements (e.g. DüV (Fertiliser Application Ordinance), etc.)
- + Simple and intuitive operation







Fendt Implement Management (TIM-Steering)

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

- Increasing the efficiency of the team
- Maximum driver comfort

Agronomy.

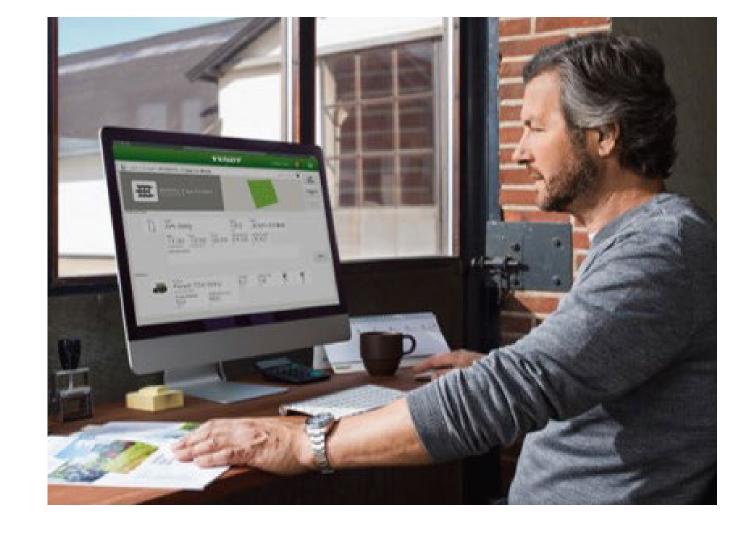
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Agronomy – Basic package

- Basic package allows you to create orders and follow-up reports on the machine
- Full overview of completed jobs
- Agronomy basic package includes the Fendt Task Doc app and a 5-year licence

Benefits

- Overview of tasks and assignments
- Simplified documentation of tasks and field work
- + Complete documentation of the field work
- + Also prepared for future documentation efforts
- + Fendt Implement Management (TIM-Steering) enables the machine to receive steering commands from an implement



Optional

- Fendt Task Doc
- Agrirouter
- Next Machine Management

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Fendt Task Doc

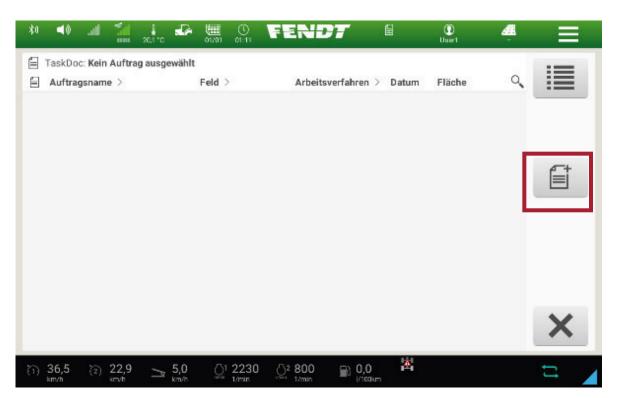
Documentation

- Fendt Implement Management (TIM-Steering) enables the machine to receive steering commands from an implement
- Simple reporting without intermediate steps (note pads)
- Transfer all data relevant to the documentation via the field database or Farm Management Information System (FMIS):
 - Field data (Fendt Guide waylines, boundaries, obstructions)
 - Field name + current crop, address of the farm or client
 - Application name
 - Plant protection product used + application rate
 - Current weather situation, current driver
 - Attachment used
- The field database can also be used to share third-party field data with the Fendt Vario

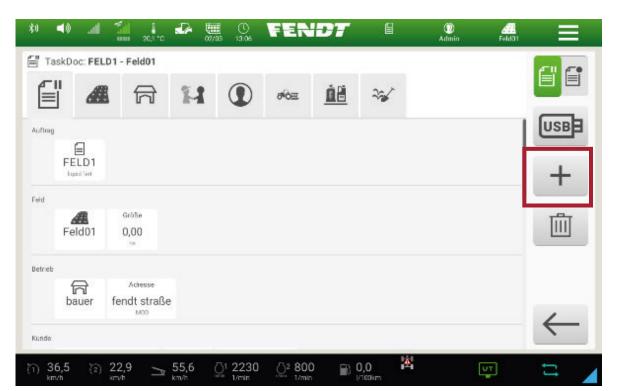
+ Documentation is fully integrated into the front Varioterminal



Adding a new job



Adding the individual elements



FENDT

Fendt TI Headland Management.

Fendt TI auto

- In combination with Fendt Guide, the system recognises the position via GNSS and automatically initiates all recorded steps at the headland
- Basic requirement for using the 12" Varioterminal, Fendt Guide System and Fendt TI Headland software activation
- •Use the assistant to set the overlap you want on the headland line, similar to the SectionControl function
- New teach-in mode to quickly define the trigger points
- This software function can be easily retrofitted

- + Efficient use of resources
- + Precise activation of processes
- Precise parallel tracking
- + Effective use of the guidance system when working the headland
- + Set up possible when stationary on the headland
- + This software option can be easily retrofitted









Fendt TI Headland

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

+ Full utilisation of the guidance system even at the headland



Fendt TI Headland

Fendt TI Auto

= Storing and automatically triggering a sequence of work steps at the headland

Fendt TI Turn Assistant

= Automatic turning at the headland

Telemetry.



Telemetry - Basic package

- Best analysis and optional management of your fleet with the telemetry basic package
- Improved machine management, e.g., by displaying the current charge level and charging capacity of the battery
- •Use Fendt Connect to display and store data such as machine position, consumption, speed and error codes
- Storage to evaluate work processes and machine condition
- Data transmission via mobile radio (4G/LTE)
- With the vehicle owner's consent, your dealership can bring up the data (such as error codes) to identify and resolve any problems



Advantages of the telemetry basic package

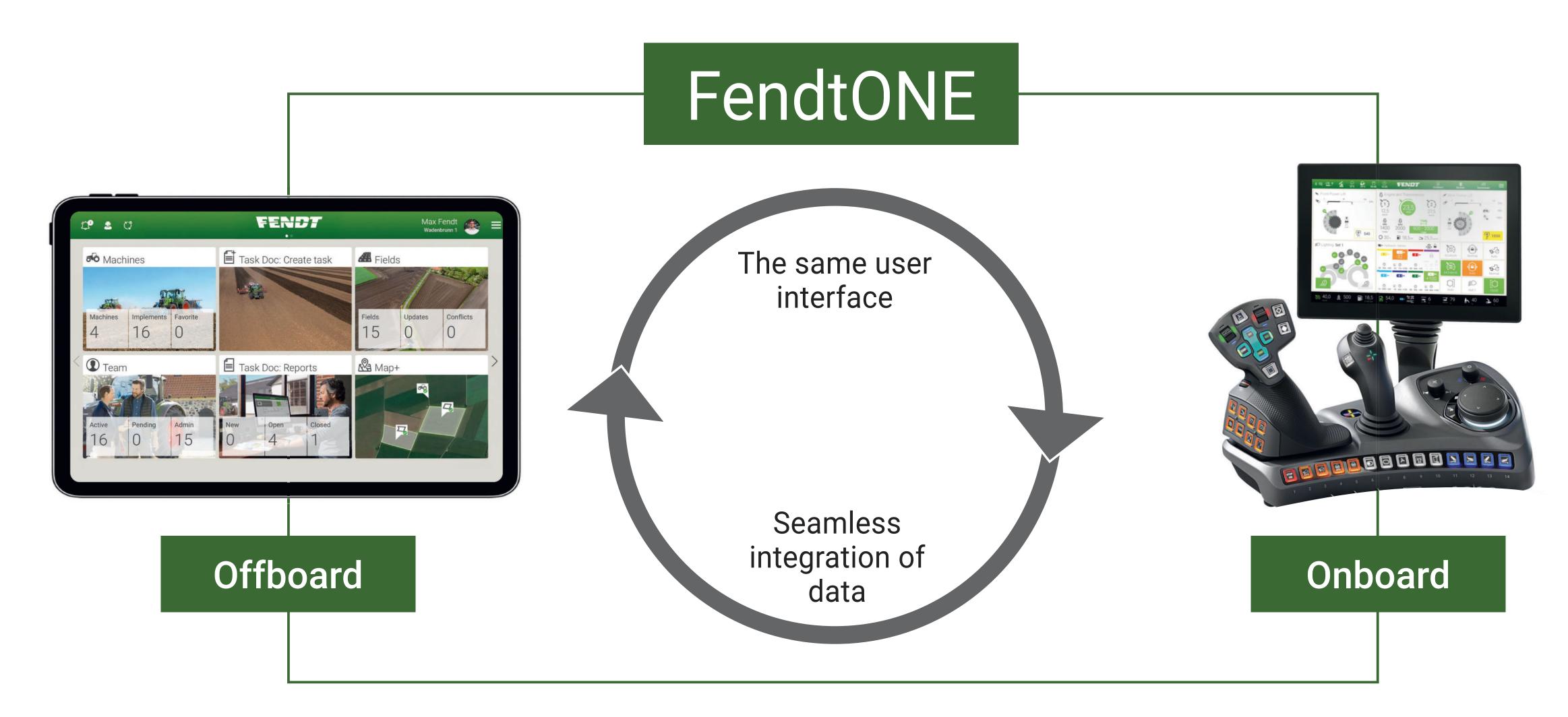
- → Basic package consisting of: ACM Box, Fendt Connect, 3-year licence
- ♣ Reliable planning / optimised usage time and machine performance
- Increased vehicle efficiency
- + Access machine data wherever you are
- Simple fleet management
- ♣ Prevention of machine failure through early identification of error codes Optimisation of dealer service

Optional

Smart Connect

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FendtONE concept.



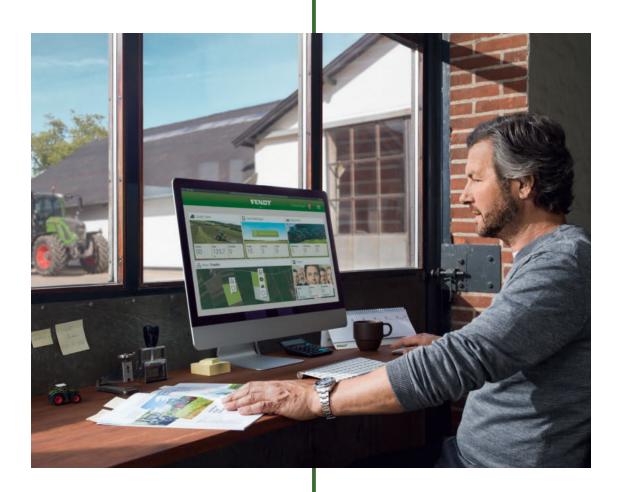


144

FendtONE – One product with expanded functions.

One product with expanded functions on both sides – onboard and offboard

Offboard



Fendt Task Doc

Fields

•••

Manage

Offboard functions, e.g., guidance system synchronisation, field management Task planning Perform

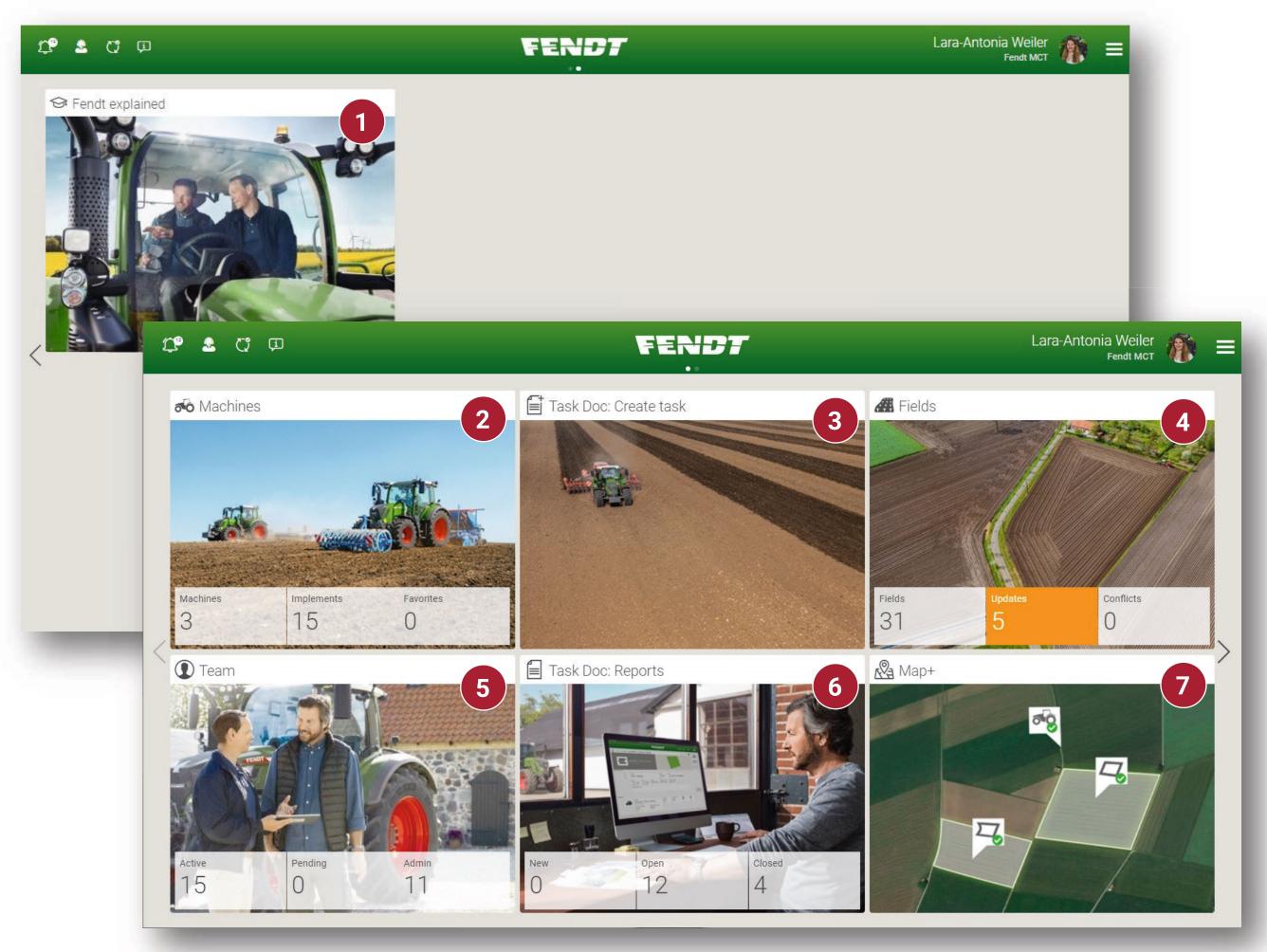
Onboard functions,
e.g., fields, boundaries,
guidance waylines,
tasks
can be performed
from the tractor

Onboard



FendtONE offboard.

FendtONE offboard offers 7 different main functions



1. Fendt explains

Watch the explanation videos for FendtONE.

2. Machines

Add all the people involved in your farm.

3. Task Doc: Create tasks

Create new tasks with a few clicks and send them to your machine. Add field boundaries, attachments and team members. Create optimised AB lines for your fields and implements.

4. Fields

Manage field boundaries and waylines.

5. Team

Add all the people involved in your farm.

6. Task Doc: Task Reports

View reports on completed tasks. Consumption of fuel, working time and other operating materials such as plant protection products or fertiliser. Visualise your task report in the Heat Map.

7. Map+

Track the live positions of your Fendt fleet. Navigate to your machines, fields or points of interest.



Technical Specifications - Overview.

Technical Specifications

Equipment variants



Technical specifications.

e107 V Vario

Electric drive

Rated power in accordance with ECE R85	kW/hp	50/68
Continuous power in accordance with ECE R85	kW/hp	55/75
Peak power in accordance with ECE R85	kW/hp	66/90
Rated speed	rpm	2100
Max. torque at 1400 rpm	Nm	347
Battery capacity	kWh	100
AC charging plug	model	Typ2
DC charging plug	model	CCS
Max. AC charging capacity	kW	22
Max. DC charging capacity (fast charging)	kW	80

Transmission and PTO

Transmission type		ML70
Speed range forward	km/h	0.02-40
Speed range reverse	km/h	0.02-25
Rear PTO		540/540E/1000
Rear PTO option (including ground speed PTO)		540/540E/5,8
Front PTO option		1000

Technical specifications.

e107 V Vario

Power lift and hydraulics

Variable flow pump	l/min	48+71
Working pressure / control pressure	bar	200
Max. valves (front/centre/rear)	number	0/6/4
Max. available hydraulic oil volume	litres	25
Max. lift capacity of rear power lift	daN	2775
Max. lift capacity of front power lift	daN	2395

Tyres

2nd option for front tyres	280/70R16
2nd option for rear tyres	360/70R24
3rd option for front tyres	320/65R16
3rd option for rear tyres	440/65R24

Technical specifications.

e107 V Vario

Dimensions

Front track width (standard tyres)	mm	852
Rear track width (standard tyres)	mm	887
Overall length	mm	3562
Total height of driver's cab with standard tyres without Fendt Guide	mm	2400
Total height of driver's cab with standard tyres with Fendt Guide	mm	2510
Max. ground clearance	mm	273
Wheelbase	mm	2290

Weights

Max. permissible overall weight	kg	4800.0
Max. trailer hitch load	kg	1500.0
Max. permissible front axle load	kg	2300.0
Max. permissible front axle load up to 8 km/h	kg	3500.0
Max. permissible rear axle load (country-specific)	kg	3200.0

Optional:



Equipment variants.

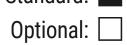
	P	Profi	Profi+
Electric drive			
Start/Stop function			
Thermal management			
Reversible fan			
AC charging via Type2 socket			
DC Fast-charging via CCS socket			
Transmission			
Vario TMS - Tractor Management System			
Shuttle function, stop-and-go function			
Cruise control			
Acoustic signal when reversing			
Guidance system			
Guidance system basic package			
Standard Trimble / NovAtel			
RTK Trimble / NovAtel			
TI Headland (TI Auto & TI Turn Assistant)			
Contour Assistant			
Implement Slope Compensation			

Standard and optional equipment Standard: Optional:



Equipment variants.

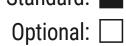
	Profi	Profi+
Agronomy		
Agronomy basic package		
Telemetry		
Telemetry basic package		
Smart Connect		
Machine control		
Machine control basic package		
Section Control		
Variable Rate Control		
Fendt Implement Management (TIM)		
Fendt Implement Management (TIM-Steering)		
Vario operation		
Multi-function 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		
Fendt Active steering		
Electronic immobiliser		





Equipment variants.

	Profi	Profi+
Cab		
Comfort cab		
Category 4 cab air filter system		
Comfort seat, air-suspended incl. heated seat		
Height and tilt-adjustable steering column		
Integrated automatic climate control		
One-piece windscreen and door on right		
Front windscreen laminated safety glass, heated		
Rear window heated		
Rear window wash/wipe		
Telescoping rear view mirror		
Auxiliary device holder		
Terminal bracket		
4 camera connections		
Fendt Reaction steering system		
Self-cancelling indicators		
Brake level device		
Low beam and high beam LED		





Equipment variants.

	Profi	Profi+
Lighting		
Auxiliary lights front		
A-pillar LED work lights		
Roof rear LED work lights		
Roof rear middle LED work lights		
Roof front LED work lights		
LED rear lights		
A-pillar top LED indicators and position lights		
LED rotating beacons		
Chassis		
Front axle suspension self-levelling, anti-roll control, lockable		
Compressed air system 2-circuit system		
4WD / differential locks		
Automatic all-wheel drive and differential locking with steering angle sensors		
Rear/front differential with 100% disc locking		

Standard and optional equipment Standard:

Optional:



Equipment variants.

	Profi	Profi+
Power lift		
Sa front power lift, with external control (separate valve)		
Electrohydraulic power lift sa (EHR), with external controls		
Swinging power lift		
Hydr. lateral and tilt adjustment with enhanced actuation		
Rear power lift relief control		
Steep lift		
PTO PTO		
Front: 1000 rpm		
Rear PTO 540/WZW/750 rpm		
Rear PTO 540/540E/1000 rpm		

Optional:



Equipment variants.

	Profi	Profi+
Hydraulics		
EHS valve actuation crossgate lever, multi-function joystick		
EHS valve actuation linear module		
Load sensing system with axial piston pump (48+71 I/min)		
1st EHS valve middle and rear		
3rd EHS valve middle and rear		
4th EHS valve middle and rear		
1st hydraulic valve centre left/rear		
2nd hydraulic valve centre left		
Hydraulic power beyond connection		
Return middle right		
Return rear		
Flat-face hydraulic couplings (FFC)		
CUP coupling rear		
Bio hydraulic oil		

Standard and optional equipment Standard:

Optional:



Equipment variants.

	Profi	Profi+
Additional equipment		
Manual hitch		
Automatic trailer hitch without remote control, rear		
Front weights, various sizes		
Wheel weights, rear wheels		
Implement mounting plate		