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Fendt 200 V/F/P Vario

Fendt knowledge: Dates, facts and figures

As at 08/2021





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Fendt 200 V/F/P Vario

Ready for tomorrow.

As at 08/2021

Engine		207 V/F Vario	208 V/F Vario	209 V/F Vario	210 V/F/P Vario	211 V/F/P Vario
Maximum power ECE R 120	kW/hp	58/79	62/84	69/94	77/104	84/114
Maximum power with DP ECE R 120	kW/hp					91/124

Fendt knowledge structure.



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At a glance.



Fendt 200 V/F/P Vario—.ready for tomorrow.

Tractor of the Year (ToY) in 2021 in the Best of Specialised category.

Solving the challenges of tomorrow today – the new Fendt 200 V/F/P Vario is your partner for excellent results both today and tomorrow. Equipped with functions and software which simplify and digitalise your work – so that your business can harvest the fruits of success in future too. Experience a tractor which fits effortlessly into your cultures. Our Fendt 200 V/F/P Vario is a specialist for demanding tasks, an absolutely flexible professional and at home in vineyards, orchards and further specialised cultures.



Fendt 211 V Vario wins the title of “Tractor of the Year 2021 – Best of Specialised”

The Fendt 211 V Vario was given the award in December 2020 by the TotY jury in the category “Tractor of the Year 2021 Best of Specialised”. This little specialist with Vario drive and fully integrated terminal convinced the jury: “The Fendt 211 V Vario is a highly reliable tractor with an extremely efficient transmission”.

Fendt Vario special tractors offer suitable solutions for your tasks.

- Fendt 200 V Vario: the classic narrow-track tractor. High-tech as from an overall width of 1.07 m.
- Fendt 200 F Vario: up to 1.32 m overall width with 10 cm wider cabin.
- Fendt 200 P Vario: the specialist tractor with wider axles and higher lifting power as from 1.60 m minimum overall width.

200 V/F/P Vario – design

Introduction.

Fendt 200 V/F/P Vario

History

Model overview

Areas of application

Variants

Added values



A look back in time and history – Fendt specialist tractors.

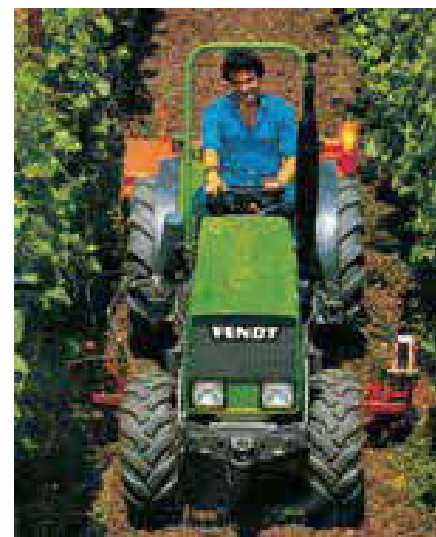
- Success through innovation with our specialist tractors, for over 60 years
- Aim: maximum productivity and efficiency
- Development and production – made by Fendt
- Over 65,000 specialist tractors



1957

Start

- 92 cm outer width
- 24 / 4 gear
- Fully synchronized transmission



1974

Innovation

- Multi-circuit hydraulics
- 4-wheel drive
- Slender waist with 50° steering angle
- Swing power lift (V)
- 3 attachment spaces



1988

Bestseller

- 50-75 hp
- EHR technology
- Steering angle-led 4WD
- Comfort swing power lift – Gold medal winner at SIMA Paris



2003

New dimension

- 60-90 hp
- Medium-width F version
- Comfort cab
- Up to 6 dual-action valves
- Self-levelling front axle suspension with anti-roll control



2009

The Vario revolution

- Powerful and low-consumption with 3 cyl. AGCO Power from 70 to 110 hp
- Variable drive on the 200 Vario for maximum productivity at 20 m/h – 40 km/h
- Multifunction joystick for power lift, control valves and 2 cruise control memories
- Level cab floor without gearbox housing



2017

Vario model update

- Emissions Stage 3B
- Reversible fan, FZW 540 E
- Pre-installed lane guidance with Vario Active steering
- Agritechnica Silver Medal 2019 for Fendt/Braun implement combination for automated mechanical substrate work

Fendt model overview.



Engine		207 V	207 F	208 V	208 F	209 V	209 F	209 P	210 V	210 F	210 P	211 V	211 F	211 P
Maximum power ECE R 120	kW/hp	58/79	58/79	62/84	62/84	69/94	69/94	69/94	77/104	77/104	77/104	84/114	84/114	84/114
Maximum power with DP ECE R 120	kW/hp											91/124	91/124	91/124
Max. torque at 1600 rpm	Nm	328	328	348	348	389	389	389	428	428	428			
Max. torque with DP at 1600 rpm	Nm											508	508	508

200 V/F/P Vario – design

Fendt 200 V/F/P Vario.



- More compact, highly agile specialist tractor
- High-tech vehicle for demanding tasks in a variety of specialist settings
- Modular design for the most slimline construction possible
- 3 variants and numerous equipment options
- Specialist tractor with power-split infinitely variable gearbox
- 18,000x Vario gearboxes in use in this vehicle category
- Extremely comfortable cab and use
- Level cab floor
- Mounting space at front, intermediate axle and rear area with full accessibility and excellent interfaces to the implements
- Extremely powerful hydraulic concept



Areas of use V/F/P.

Depending on the crop or type of livestock, the customer can choose the most suitable tractor for their field of application from the 3 variants

- 200 V Vario with a minimum outer width of 1.07 m, e.g. suitable for vine rows set min. 1.60 m apart
- 200 F Vario with a wide cab and min. outer width 1.32 m; rear tyre size up to 28"
- 200 P Vario with a wider track and stronger power lifts for heavier applications requiring greater stability. Minimum outer width starts at 1.58

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 in cemeteries



Models V, F and P.



	Fendt 200 V Vario	Fendt 200 F Vario	Fendt 200 P Vario
Cab	Standard: slim driver's cab	Standard: wide driver's cab	Standard: wide driver's cab
Cab width	1000 mm	1170 mm	1170 mm
Rear power lift	Standard: swing power lift with short lower link Cat.1 Optional: swing power lift with long lower link Cat. 2	swing power lift with long lower link Cat. 2	Regular 3-point hitch Cat. 2
Min. outer width	1.07 m	1.32 m	1.58 m
Flange size on front axle	Standard: 925 mm Optional: 1025 mm	1025 mm	1308 mm
Flange size on rear axle	897 mm	897 mm	1232 mm
Max. rear tyres (Ø)	1200 mm	1310 mm	1370 mm

200 V/F/P Vario – lines

Equipment ranges.

3 equipment lines: Power, Profi & Profi+

5 models:

207 V/F Vario - 208 V/F Vario - 209 V/F/P Vario - 210 V/F/P Vario - 211 V/F/P Vario DP

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Added value. 1/2



		from Power	Profi	Profi+	Customer benefit	Added values		
Engine/transmission	1	Latest high-end model 211 Vario with up to 124 hp output (ECE R120) and 508 Nm with Fendt DynamicPerformance			- Lightweight tractor with higher area capacity in plant protection or when working with a towed harvester - Intelligent power boost even for transport and during stationary-PTO work			
	2	Hydraulic tappets for reduced maintenance			Quieter with less vibration from the engine – no setup work	1000	1000	1000
	3	Electronically controlled Viscronic fans to regulate precisely according to actual need			- Significantly lower maintenance and longer working times even in dusty conditions - Quiet, fuel-saving and low vibration work, with each cooler controlled individually	400	400	400
	4	Efficient exhaust technology for EU Stage 5			- Efficient implementation of exhaust gas legislation by leaving out the external AGR - DOC – catalytic converter – HC reduction, passive DPF with Heat Mode and SCR – NOx after-treatment with AdBlue			
	5	Diesel tank (68-litre or optional 83-litre) easy to refill at A-pillar			Easy refuelling at the A-pillar; 16-litre AdBlue tank at the front in the hood head			
	6	Air filter well-positioned under front hood head			Very easy to access			
	7	Tractor Management System TMS with auto Limit Load 2.0 with Kickdown mode for acceleration as standard			- The best engine/transmission management – load-dependent control of speed and engine rpm - Reaches the target speed faster + more nimble driving under load – Kickdown mode	1206	1206	1206
Cab	8	All-new 4-pillar cab with extended windscreen; no opening front window;			- Excellent controls on the control console and fantastic all-round view thanks to the 4-pillar cab; - Steering wheel adjusts easily by foot pedal; - F – cab with wide, high windscreen as on the P; F and P with a second step for easy entry	600	600	600
	9	Steering column and dashboard adjustable by foot pedal in height and tilt			- Quick and easy to adjust to the best seating position - Easy to get in and out			
	10	Air conditioning as standard, with ventilation and heating			Sophisticated ventilation and air conditioning concept provides excellent air flow via the steering tower and the cab roof. 8 air vents for air flow in the cab, adjusts by dial	2,496	2,496	2,496
	11	Footwell heating (optional)			For winter work: optional footwell heating with four extra vents on the steering column			
	12	Built-in cable ducts at rear and front			3 cable ducts at the rear window, 2 lead-throughs at the front - Dust, noise and water stay outside			
	13	Cab delivered for the first time at protection class Cat. 4 (optional)			- Pressurised cab and integrated safety ventilation system with corresponding Cat. 4 filter system - Recommended when using certain plant protection products (protection against dust, aerosols and vapours) - You can convert from Cat. 2 filtration to Cat. 4 filtration in the terminal			
	14	FendtONE – control panel including multifunction joystick; pushdial and key assignment with flexible colour-coding			- Improved ergonomics with controls right on the console next to the driver's seat - Control fields for transmission, power lift, hydraulics and PTOs. - Integrated colour coding	500	500	500
	15	Central 10", configurable TFT dashboard terminal with pushdial navigation and 4 hotkeys			Central digital cockpit with settings for the power lift, hydraulics, engine, transmission, onboard computer, ventilation, lights, front axle suspension, valve assignment and Service & Diagnostics	800	800	800
	16	Multifunction 2-way joystick, with proportional hydraulic control; cruise control settings on the dial			- Perfect hand positioning and 4 extra functions that you can assign – clover leaf controls - Driving lever/control console – 10 buttons can be freely assignable	500	300	300

Added value. 2/2



		from Power	Profi	Profi+	Customer benefit	Added values		
						Power	Profi	Profi+
Cab	17	Fendt TI headland management (together with 12" terminal)			- Integrated headland management for efficient work at the headland 5 triggers (distance, time, front power lift, rear power lift, button) and 11 function groups			
	18	12" terminal in the cab roof with touch + pushdial controls, folds away			- Customised splitting of the display into 1-6 panes. - Create individual views			2,988
	19	FendtONE – New driver's workstation – Connect the tractor operations on the terminal with planning and monitoring tasks in the office			- Plan field data and jobs wherever you are on your computer/tablet/mobile, then send to the machine 4 modules: Guidance System, Agronomy, Machine Control and Telemetry			
Variotronic	20	Fendt Guide tracking module: with tractor preparation + Fendt Guide app for higher productivity in field work (same as on the 300-1000 Vario)			- Neat, position-based guidance within a row or within the field - Full use and functionality on Fendt key machines - Software – update-ready: Performance capacity that grows with your business			
	21	Agronomy module: Set up and evaluate jobs on the machine with Fendt Task Doc Documentation and Task Manager control			- Task Doc with mobile network transfer including GPS data for seamless reporting - Flexible data transfer: Choice of USB or mobile network - Data exchange with various manufacturers with the ISO-XML standard			
	22	Machine Control module: Control ISOBUS attachments with ISOBUS 200			Easy to operate complex implements or hardware Hardware			
	23	Telemetry module: Fendt Connect Optimum analysis and optional fleet management			- Reliable planning, with optimised usage time and machine performance - Access machine data wherever you are			
Hydraulics / power lifts	24	Increased flow capacity with LS pump and max. total of 119 l/min			15 l/min higher flow rate with larger steering pump – 48 + 71 l/min			
	25	Up to 4 valves (Power) up to 5+2 valves from Profi (with front power lift) – improved intermediate axle mounting space			- Intermediate axle attachment space: Mount implements closer to the tractor to work with narrower row widths - Easy coupling as hydraulic couplings can be plugged directly from the side			
	26	Power Beyond in central coupling (together with LS pump)			Direct oil supply of hydraulic pump and attachment for power-demanding equipment			
	27	V F: rear power lift with load-relief Control (V F) and adjustable field pressure – for delivery from July 21			- Implement weight is transferred to the tractor – improved traction and hillside performance. - Implement follows the ground contour precisely. Great for transitioning e.g. from slope to plain			
	28	V F: Swing power lift with electronic tilt indicator			Unique swing power lift with hydraulic side and tilt adjustment (each +/- 6°) for perfect implement guidance down the row – adjusts hydraulically with the rocker pair			
	29	P: Front power lift with position and load relief control for excellent implement guidance on uneven and sloped terrain (P)			- Attachment follows the ground contour precisely at a continuous height for work that's gentle on the implement – no need to mount or adjust the load-relief springs - Grassland: protects the sward without puncturing it – high-quality forage			
	30	3L joystick to control ISOBUS devices, tractor functions including reverse – available with full range of functions from the end of 2021			- Joystick with perfect ergonomics for up to 27 freely assignable functions - Switching rocker with 3 levels			
	31	Rocker controls with colour-coding			Safe, sensitive controls with colour-coding that matches even when you reassign functions			
Build	32	Higher payload: +100 kg – higher permissible GVW of 4,800 kg (VF) 5,600 kg (P)			GVW increased to 4,800 kg,; higher front-axle load VF load: + 150 kg – P: + 200 kg; rear axle load: VFP + 200 kg	100	100	100
	33	Bi-halogen headlights and optional LED daytime lights			Easy to extend the lighting: - When switching to high beam, light distribution and brightness of the dipped area remains unchanged – far-reaching light extends existing light cones			
Added value 207-210 Vario						7,402	7,402	12,400
								13651

Fendt spotlights. Special. Better.

A Fendt 200 V/F/P Vario is characterised by its thoughtful design down to the last detail. This latest generation includes five models in power classes ranging from 79 to 124 hp in the three configurations from Power and Profi up to Profi+. Here you can see our special Fendt solutions – our Fendt Spotlights – that make the difference and simply make your work better every day.



➊ **1. Spacious comfort cab with extended windscreen and excellent all-round view with 4-pillar cab**

The windscreen also gives you a full view of your overhead implements, like the foliage cutter.

➋ **2. FendtONE driver's workstation: intuitive control with 10" digital dashboard and console**

Console with 2-way multifunction joystick. Customise the entire workstation with freely assignable buttons. Combines machine control, communication and documentation with the office in one unit

➌ **3. 12" terminal and Fendt TI headland management system**

Adjustable 12" terminal for tractor and implement controls, optional camera function as well as lane guidance and documentation fully integrated. Ingenious headland management system Fendt TI for automatic headland sequences.

➍ **4. Cab optional with Cat.4 filter protection system**

Ventilation can be converted to protection category 4 ex works (EU standard EN15695, protection from dust, liquid pesticides and vapours).

➎ **5. Fendt DynamicPerformance: smart added power concept** For greater area coverage and higher productivity. Extra power boost of up to 10 hp on the 211 Vario, at any speed.

➏ **6. Front axle suspension with anti-roll control – for up to 7% more area coverage, comfort and safety.** Anti-roll control guarantees a high degree of stability and operating safety, especially when working with heavy implements on slopes.

➐ **10. Hi-tech hydraulics with up to 8 valves, Power Beyond and a flow capacity of up to 119 l/min**

Depending on the configuration, the cleverly designed hydraulics system offers up to 8 control valves, 2 control circuits, independently adjustable flow rates, Power Beyond, a prioritisation function and free assignment.

➑ **9. Three equipment attachment spaces at the front, rear and intermediate axle for efficient combinations**

Intermediate axle attachment space with five dual-action valves on the right and two valves on the left for the best control of demanding implement combinations. Large clearance with a width of up to 45 cm to easily guide the equipment into place. Optional: central Power Beyond connection.

➒ **8. Rear power lift with load-relief (V/F)**

With the field pressure set, the rear attachment follows the ground contour precisely and at a steady working height, including over uneven ground. Great when working on the overhang from slope to level ground (and vice versa).

➓ **7. Perfect modularity with Power, Profi and Profi+**

You can tailor the Fendt 200 Vario to your particular needs. With 160 options and 70 tyres and tracks on delivery.

200 V/F/P Vario

Engine.

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Design and features

Exhaust gas after-treatment

Air filter

Fuel tank

Cooling and ventilation

DP power boost



Design and features. 1/2

Engine technology

- AGCO Power (AP 33 AW) – 3.3-litre cubic capacity; 3 cylinders; 4-valve technology, hydraulic tappets, Emissions Stage 5
- Exhaust after-treatment with passive DPF, DOC under the engine hood and SCR at the exhaust pipe
- Common rail – multi-point injection with 1,800 bar injection pressure – electronic engine control EDC 17
- Electronically controlled wastegate turbocharger
- Tank volumes of 68 l diesel (83 l optional) + 16 l AdBlue
- Viscronic fans (electronically controlled fans)
- Hydraulic tappets for automatic valve play adjustment and quiet, low-vibration engine run

- + Outstanding performance
- + Low rated speed of 2,100 rpm
- + Electronically controlled Viscronic fans for a quieter run and sensitive, fuel-saving heat regulation
- + Stage 5 / TIER IV final emissions standard

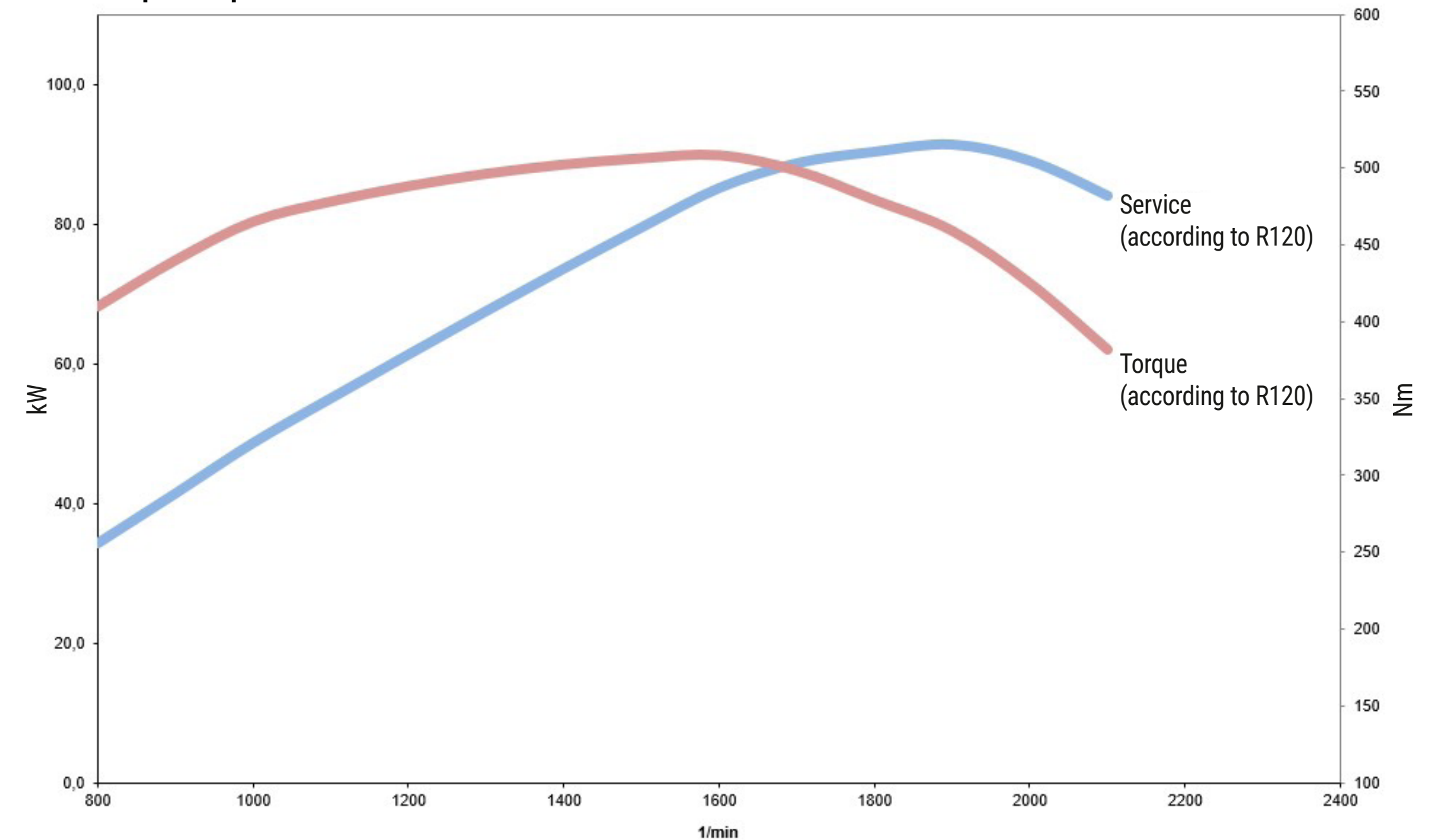


Design and features. 2/2

Smart engine characteristics – the key to efficiency

- Intelligent power boost design with DynamicPerformance (DP) and up to 10 hp extra power
- High maximum torque: max. 508 Nm / 1,600 rpm (211 V F P Vario DP)
- 40 km/h top speed at reduced engine speed (F: 1,750 rpm / V/P: 1,850 rpm)
- Torque increase up to 37%
- Stable idle speed with intelligent reduction (better start-up behaviour, improved PTO start-up)

Torque / power 211 Vario with DP



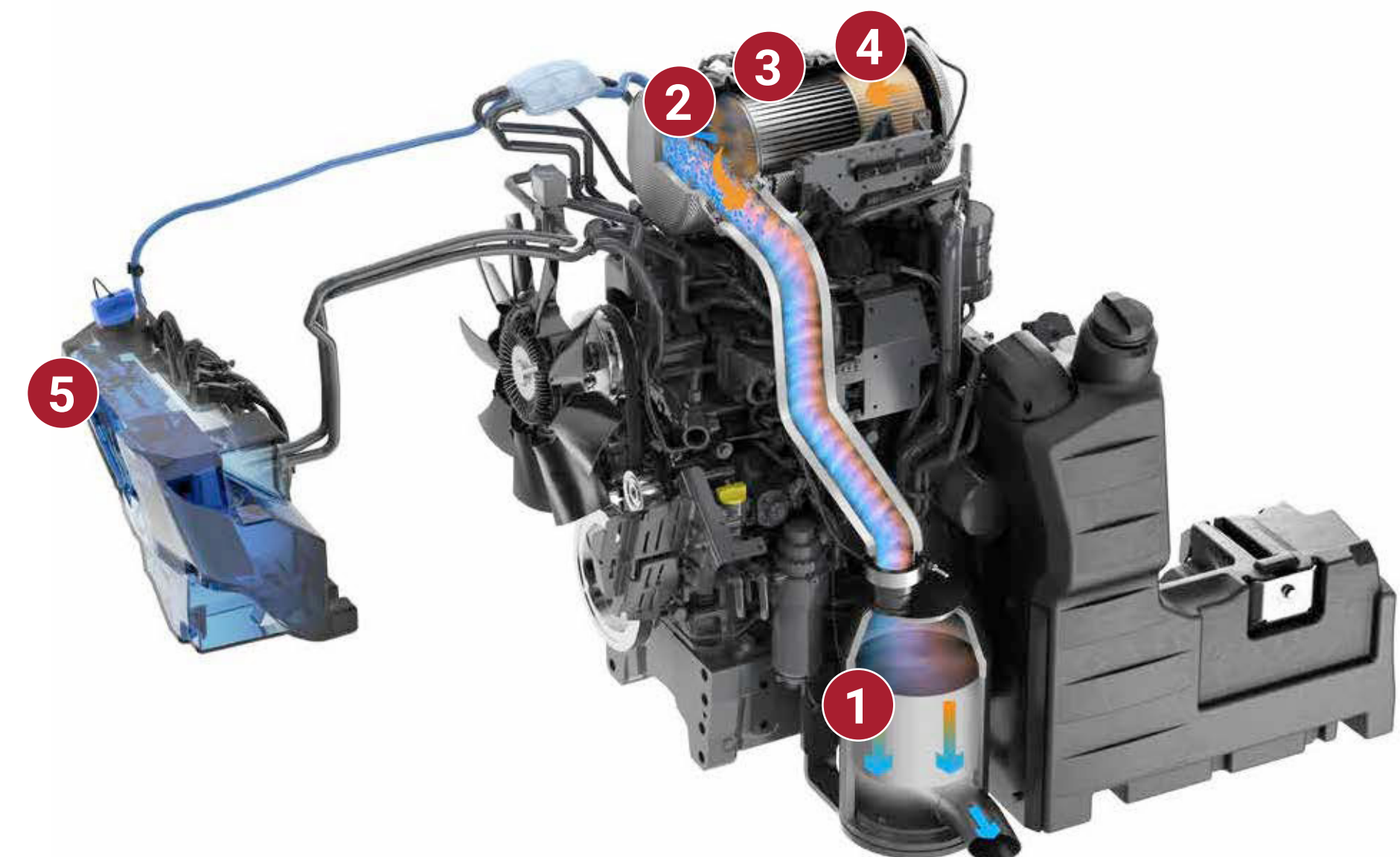
- + Low rated speed of 2,100 rpm
- + Electronic engine control gets the most out of the engine

Exhaust after-treatment.

Exhaust after-treatment with DPF, DOC and SCR

- Thresholds comply with Emissions Stage 5/ TIER IV final
- Exhaust technology with DPF and DOC integrated under the engine hood and SCR at the exhaust pipe

- 1 SCR technology for exhaust after-treatment with AdBlue injection (Selective Catalytic Reduction) reduces nitrogen oxide (NO_x)
- 2 SCR injection
- 3 Passive diesel particulate filter with heat mode
- 4 Diesel oxidation catalyst (DOC)
- 5 AdBlue tank – 16 litres



+ For this series – the most economical way to achieve the current emissions standards

Air filter.

Dry air filter with axial flow

- New air-filter model
- Best accessibility
- Low pressure losses
- Extremely high dirt filter capacity
- Absorption upstream of the cooler unit



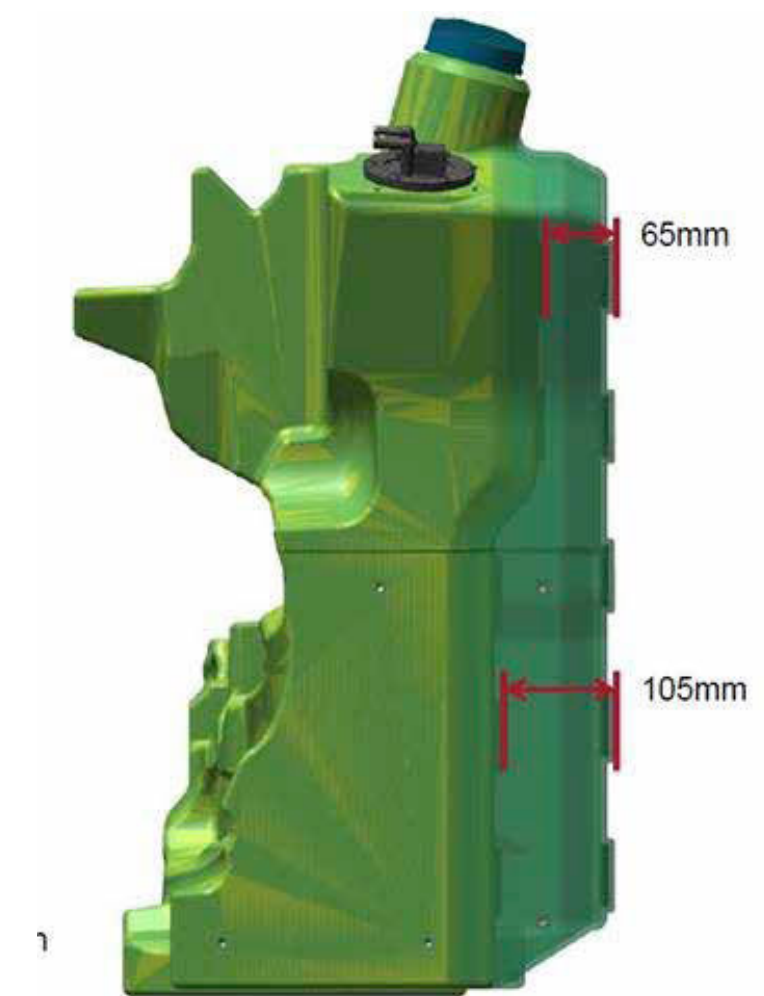
- + Highly efficient
- + Very accessible to make maintenance easier
- + Air intake in low-dust area



Fuel tank.

High-capacity fuel and AdBlue tank

- Integrated fuel tank on A-pillar with a capacity of 68 litres – or 83 litres optional
- 83-l tank optional – please remember the larger width for intermediate-axle implements!
- AdBlue tank in the hood head – 16-litre capacity
- Fuel prefilter with thermostat valve



- + Space used to 100% with an updated design shape
- + Refill diesel at the A-pillar
- + Increased tank capacity to work efficiently without interruption, even on the longest working days
- + Higher operational safety at low temperatures

Exhaust versions.

Exhaust below



Exhaust at top

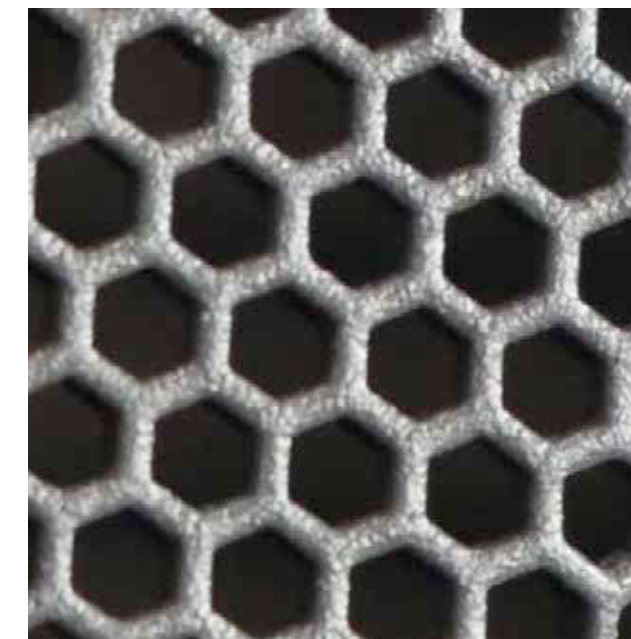


To use the intermediate-axle mounting area, the exhaust pipe must be at the top.

Cooling and ventilation. 1/4

Compact cooler unit

- Plate capacitor for climate control
- Intercooler
- Direct air supply to individual components and openings in side panels for optimised airflow
- Transmission oil cooler cools the heat exchanger to then cool the hydraulic fluid
- Hexagonal instead of round holes in the radiator grille for maximum air flow

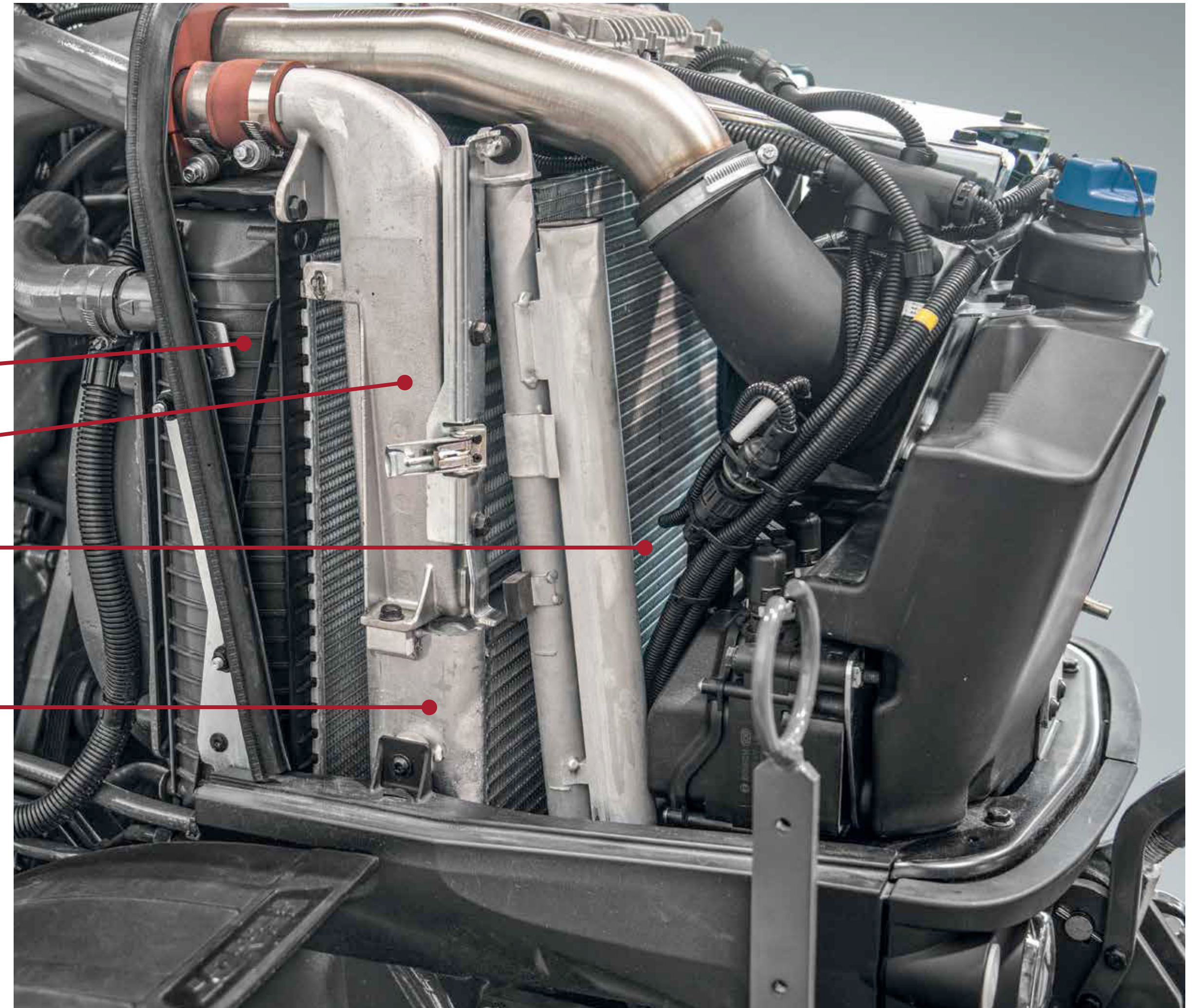


- + Clean design with flat radiator floor (inlets and outlets laid under base plate) – avoids dirt deposits
- + High resistance to dust



Cooling. 2/4

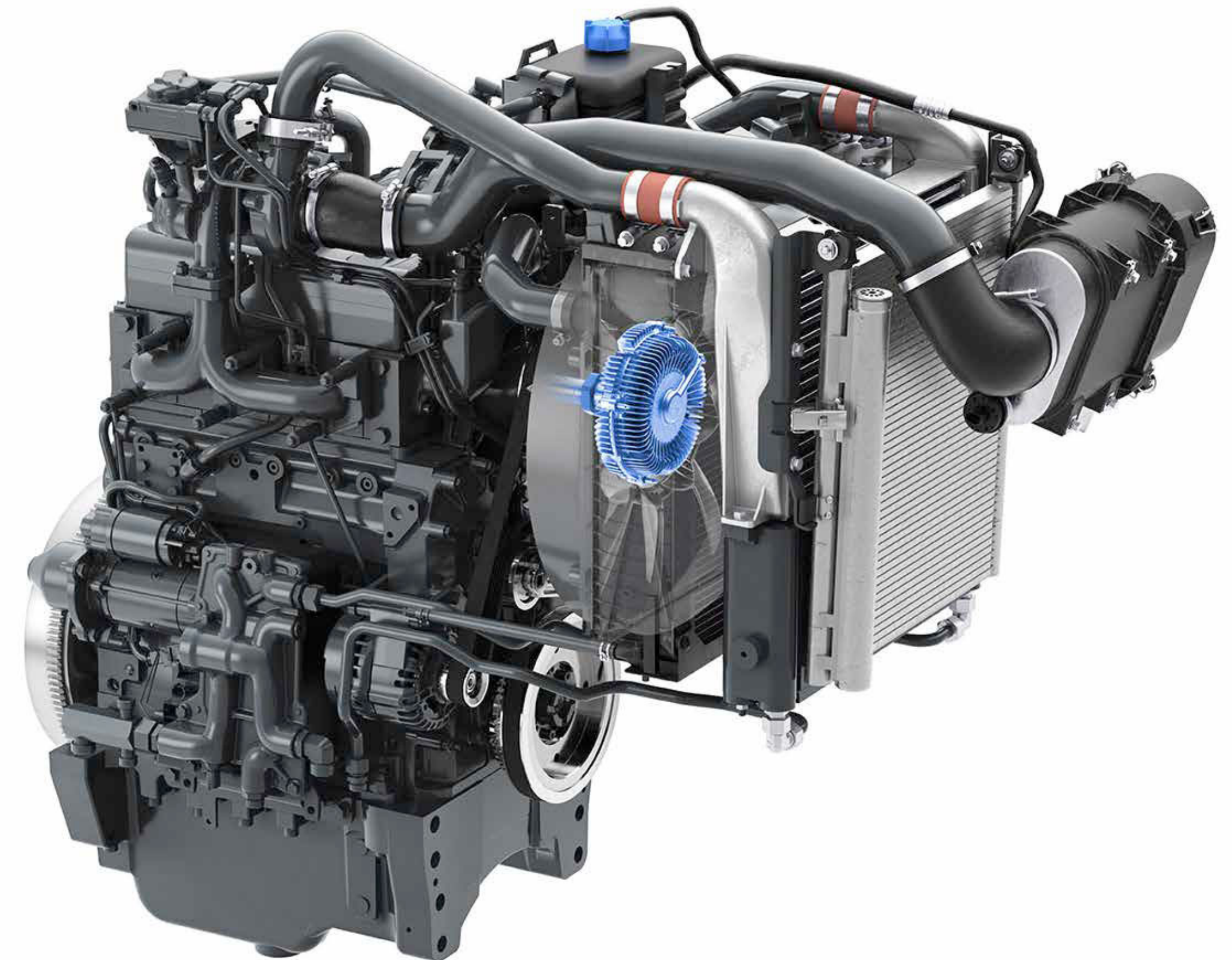
Radiator
Intercooler
Air-con condenser
Transmission oil cooler



Cooling. 3/4

Electronically controlled Visctronic

- Electronically controlled Visctronic fans to regulate efficiently according to actual need
- Significantly lower maintenance and longer working times even in dusty conditions
- Each cooler controls the fans individually for quiet and fuel-saving work
- High air flow rate
- Low noise with efficient running properties

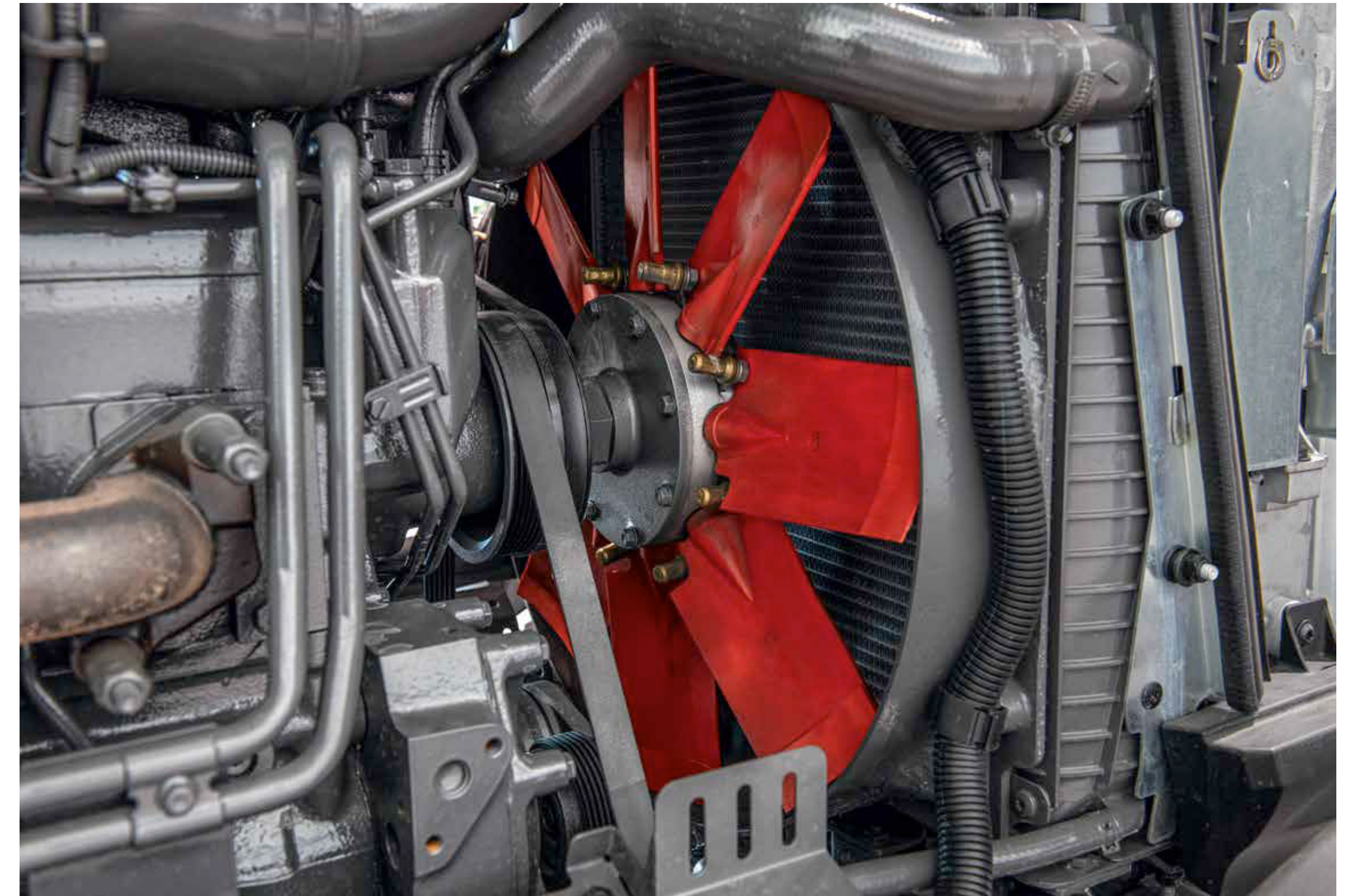


- + Efficient cooler management – "as needed" for more available performance at the wheel
- + High operational reliability
- + Improved comfort – quieter and less vibration

Cooling. 4/4

Reversible fan

- In viticulture, foliage management plays a central role in the working year.
- When cutting foliage, debris can stick to the radiator grille and reduce cooling performance. Sometimes the driver has to stop and detach the suction part of the cooler from the foliage
- The solution is an optional reverse fan with adjustable fan blades
 - Turning the fan blades reverses the air flow direction: Advantage: suction areas are cleared without you getting out of the cab – for increased performance and efficiency.
 - Automated control: Reversal interval is adjustable



- + Quick, easy radiator cleaning without downtime for efficiency thanks to the reversible fan.
- + Increased tractor performance and efficiency, with ever-clean radiator vents, giving optimised cooling performance and fuel savings
- + Less maintenance work
- + Less time and effort for the driver, with the radiator grilles cleaned automatically
- + Ideal for cutting foliage

DP power boost.

Fendt 211: DynamicPerformance power boost concept

Requirements on the smart power boost concept

- Full engine power has to supply both main consumers and a number of auxiliary units: whether it's tillage, PTO work, transport or stationary PTO work.
- Engine power is spread across a large number of driven units.
- Familiar boost design with numerous limitations in practical use
 - Only available in very limited operational situations
 - Not designed for continuous operation
 - Only available under certain 'black and white' conditions, e.g. specific speed, activated PTO

New intelligent power boost design that compensates for performance losses and ensures consistent work performance



Power distribution.

Power distribution – primary and secondary consumers

Main consumers:

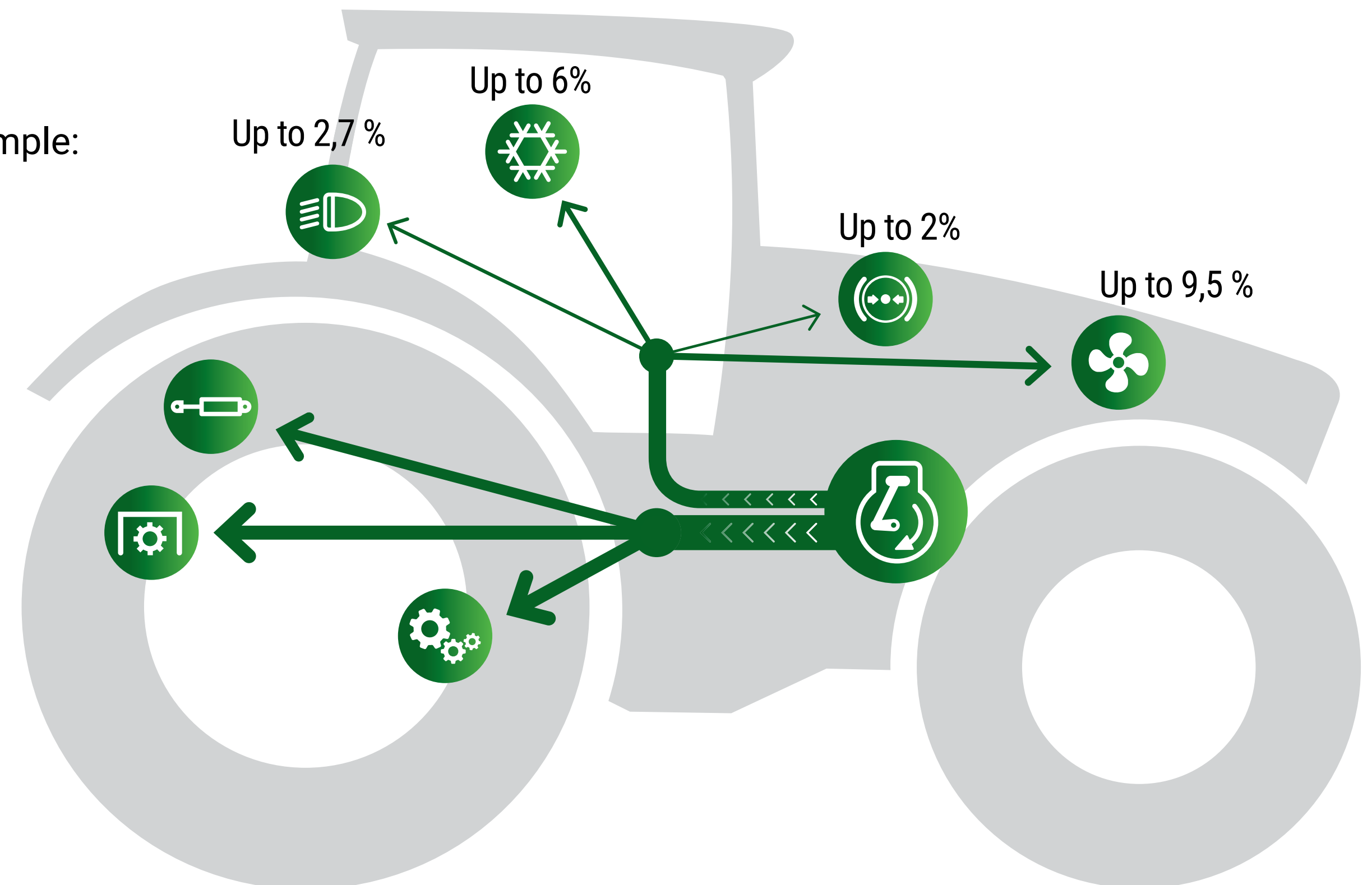
- Traction power over the wheels
- PTO that powers certain units
- Hydraulic pump that powers implements and controls functions

auxiliary users need to be powered. Let's look at the 125 hp tractor, for example:

- Fan
- Air-conditioning
- Alternator
- Air compressor

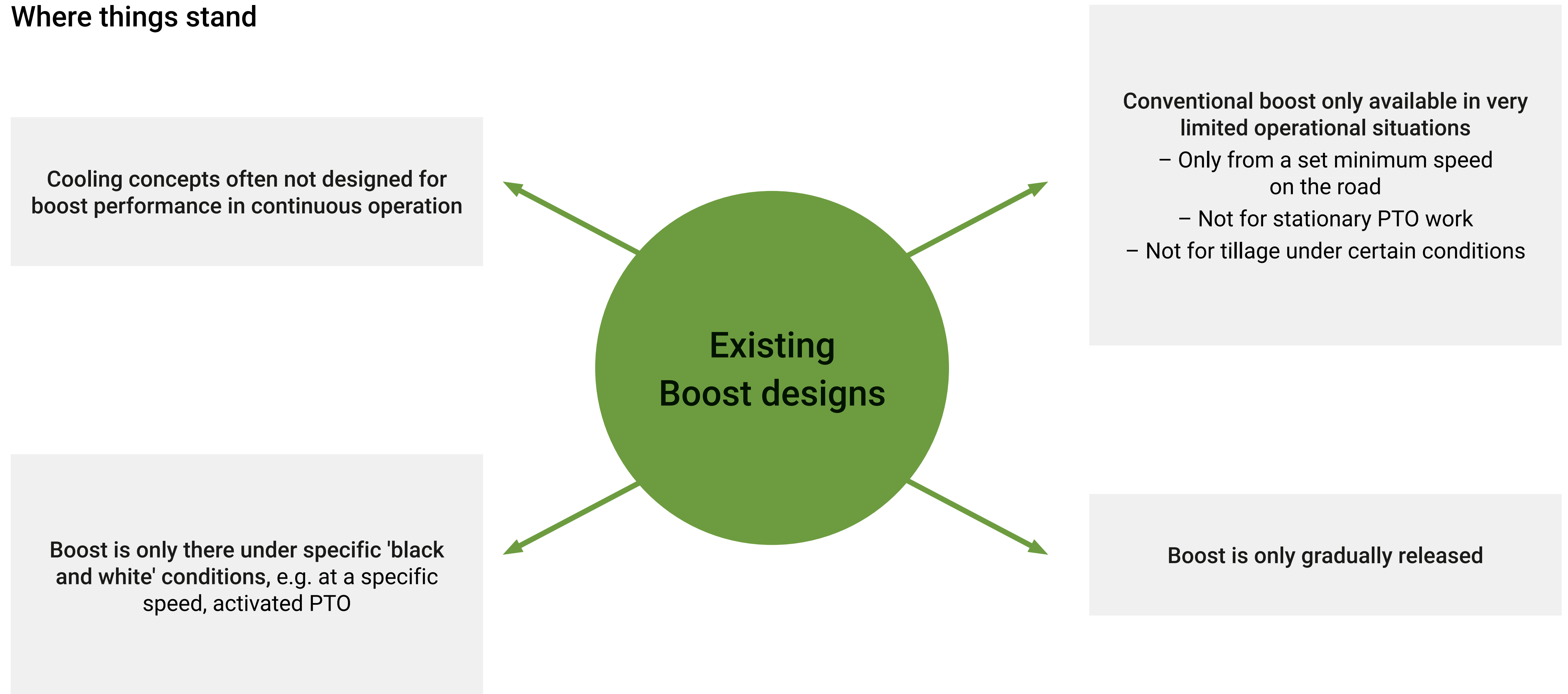
Power requirements of secondary consumers reduce the power available for traction, PTO work and hydraulics

- Engine power
- Transmission
- Hydraulics
- PTO
- Light
- Air-con
- Compressor
- Fan



Comparing existing boost concepts.

Where things stand



Fendt DynamicPerformance (DP).

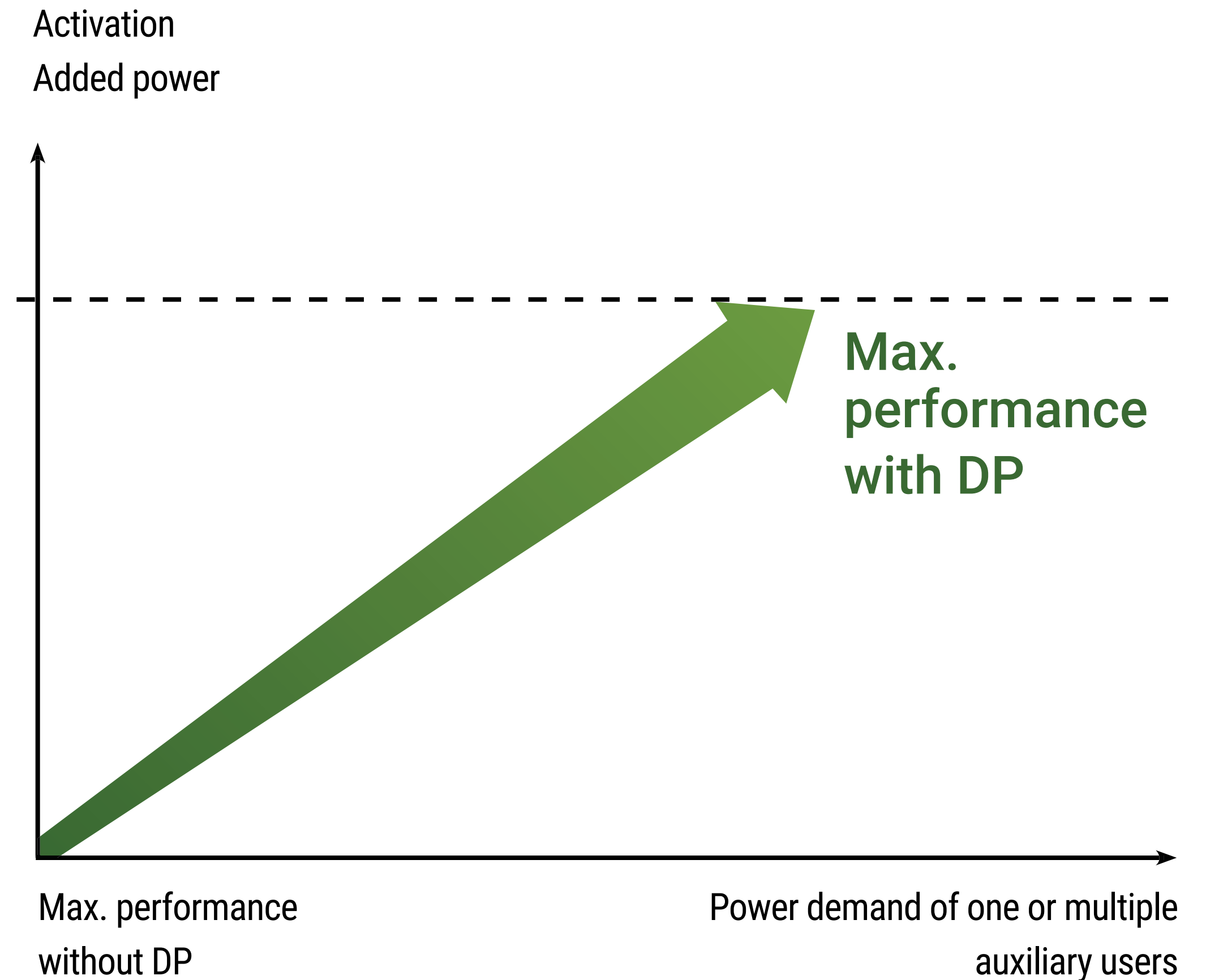
Fendt DP – consistent work performance by compensating for loss of performance

Intelligent power boost

- Intelligent, sensor-led solution
- Independent of fixed, hard parameters, including speed
- Fendt measurement parameters: Powered units (fan, alternator, air conditioning, compressor, hydraulics, PTO, gearbox)

Linear power boost

- Fully variable power boost activation
- Stepless, smooth power
- Maximum and best performance always there under the current conditions
- Consistently high performance where the wheel meets the ground



Benefits of use – Fendt DP.

5 Benefits of use – Fendt DP

1. Lighter tractor with higher performance
2. Intelligent, sensor-controlled solution, independent of fixed settings, e.g. speed
3. Additional availability of smart power boost even during low-speed tillage and stationary work compared to conventional boost designs
4. More area coverage thanks to higher driving speed
5. Less fuel consumption per acre

= Higher productivity

Link to video: <https://www.fendt.com/de/traktoren/300-Vario-highlights>



DP in practice.

Practical benefits

Practical use	External conditions	Availability of Fendt DynamicPerformance		Availability of conventional boost systems	
Cultivator soil processing	<15 km/h, high outer temperature (fan on max., aircon ON)	Up to 100%	✓	0%	✗
Front: Trimmer Centre: Weeder Rear: Mulcher	< 15 km/h	Up to 100%	✓	0%	✗
Road transport	e.g. uphill <15 km/h, high outer temperature (fan on max., aircon ON)	Up to 100%	✓	0%	✗
Mulching		100%	✓	100%	✓
Stump grinder		100%	✓	0%	✗



200 V/F/P Vario – transmission

Transmission.

FENDT

fendt.com | Fendt is a worldwide brand of AGCO.

Design

Added power vs. gearshift

Role

Controls

Separate oil supply



Transmission design. 1/4

Stepless Vario transmission (ML 70) for specialist tractors

- Stepless smooth and soil-friendly driving for the ultimate in flexibility
- Stepless ground drive from a super-slow 20 m/h to 40 km/h at a low and quiet 1,750 rpm
- 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 to make work easier
- Automated controls with cruise control function and maximum load control
- Flat cab floor for comfortable working – no gearbox tunnel



Transmission design. 2/4

Vario – benefits

- + No additional ultra-creeper-gear transmission needed
- + Soil-friendly with 100% smooth powertrain function
- + Low fuel consumption for transport work at 40 km/h, at just 1,750 rpm
- + Best use of the engine with infinitely variable speed adjustment
- + Gear oil change only required every 2,000 hours
- + No special oil required
- + Electronically controlled with TMS and maximum load control 2.0 ensures the transmission shifts when it should and is well monitored
- + No gear shifting
- + Stepless, wear-free reversing



Tractor Management System (TMS).

The perfect duo: TMS and automatic limit load 2.0

- Tractor Management System (TMS) controls the engine and gearbox to always offer the ultimate in cost efficiency.
- 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 slows, the limit load control takes over the engine speed and transmission setting
 - Engine speed is automatically increased when the relevant power is called for
 - As soon as the conditions are right, the tractor drives at a reduced engine speed



Automatic load limit control 2.0.

Automatic limit load 2.0 with Kickdown mode

- Maximum load control sets how far the engine speed is allowed to drop under load before the transmission shifts
- 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)
- Can be set manually as before
- Kickdown mode for instant acceleration

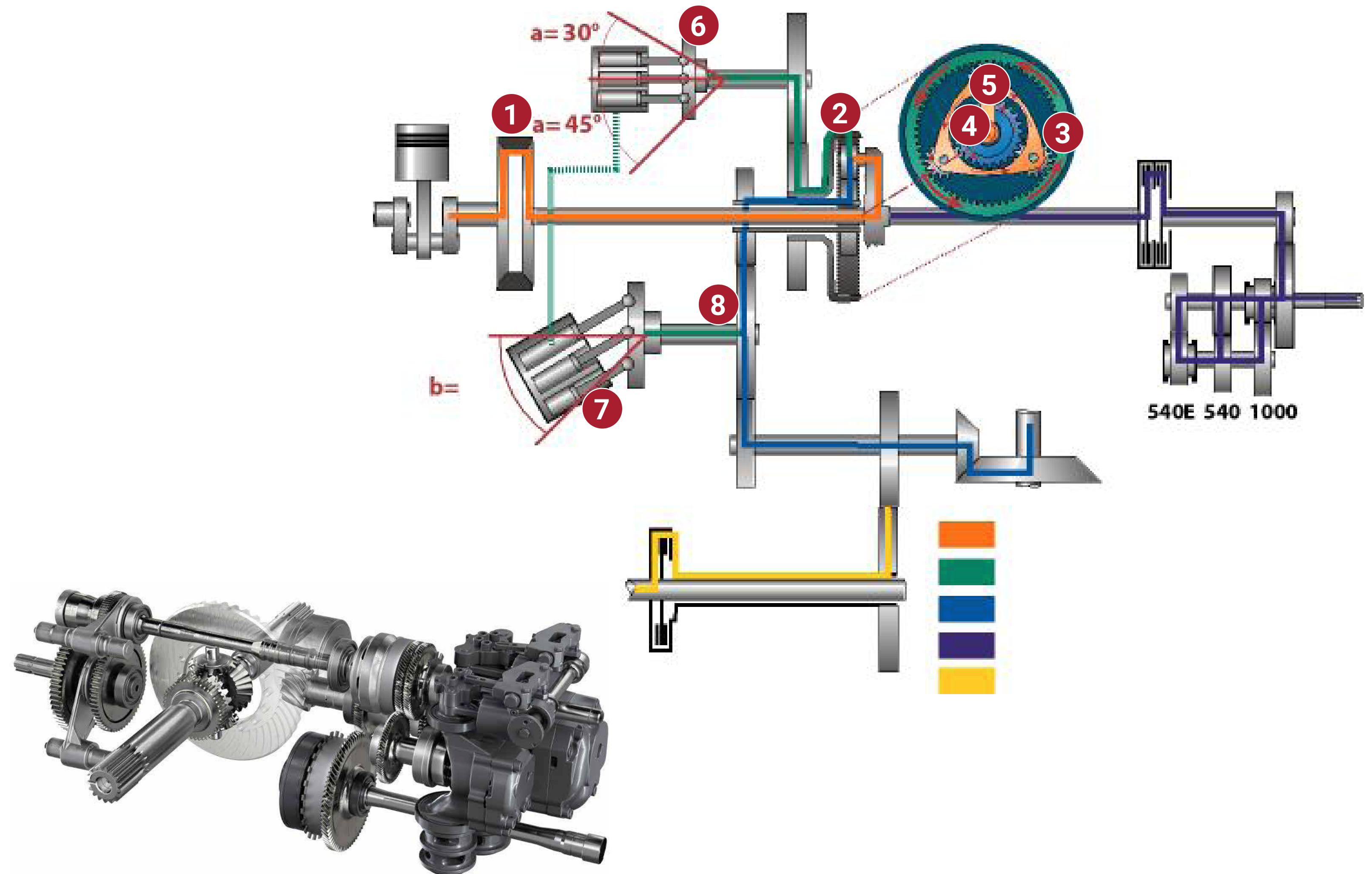


- + Relaxed way of driving
- + Target speed reached quicker
- + Maintains target speed better
- + More nimble under load
- + Higher average speed at optimum consumption

Vario function.

Function and build

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



Multifunction joystick. 1/2

Design

- Redesigned multifunction joystick for improved ergonomics
- Familiar controls: Basic functions are the same (reverse drive, activate cruise control / accelerate / decelerate)
- 4 extra white buttons ready to be assigned
- Dial on the joystick to adjust the cruise control speed while driving
- Transmission functions including TMS etc. are positioned in the lower side section

- + New shape / arrangement for improved ergonomics
- + Familiar basic functions and very easy to find your way around
- + Easy personalisation with buttons ready for you to assign
- + Less repositioning – function controls positioned on the joystick

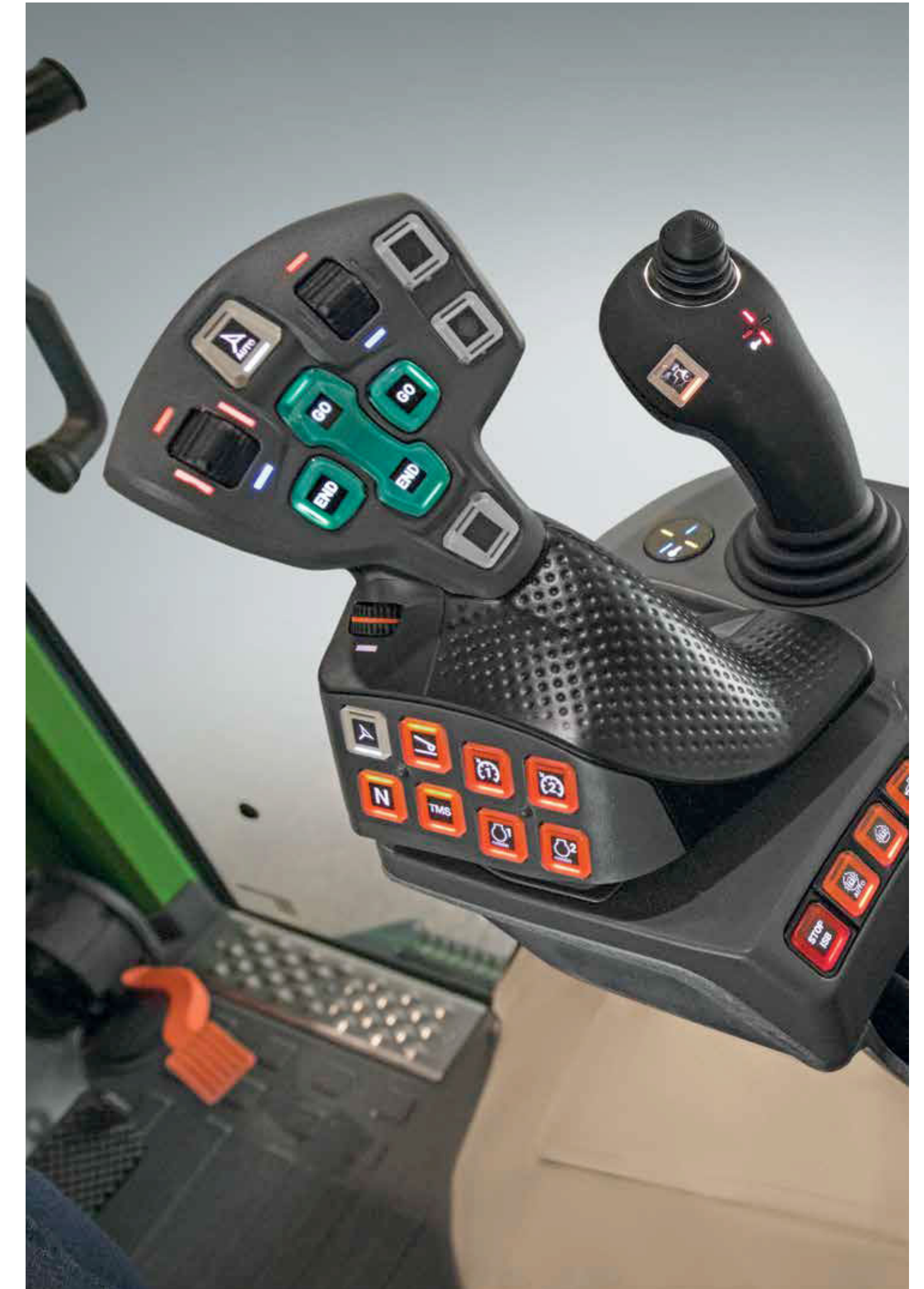


Multifunction joystick. 2/2

Functions

- Optimum speed adjustment at any engine speed
- Use the buttons to view the 2 cruise controls – use the dial to adjust
- Automatic limit load 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 shows the following acceleration rates for the rated rpm:
 - 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

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

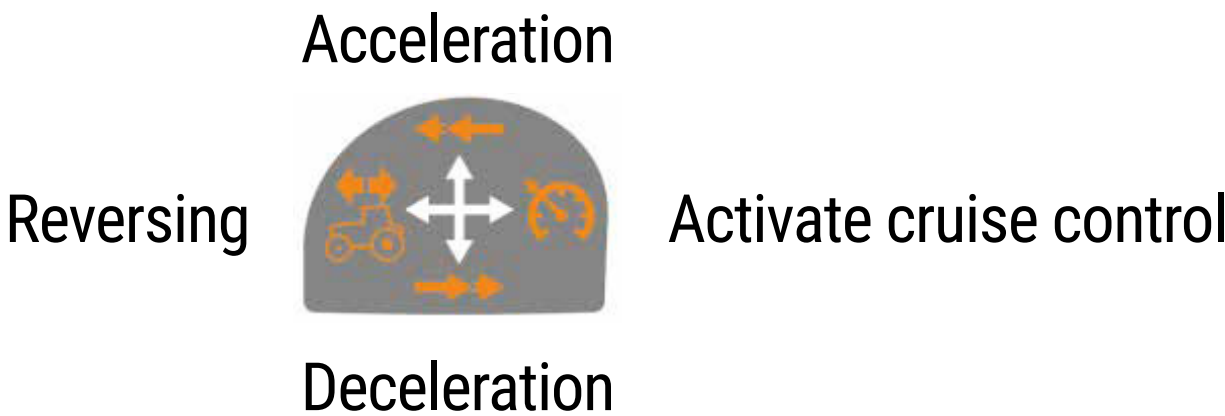


Controls. 1/2

Controls



Acceleration ramp (I-IV)



Controls. 2/2

Controls

Reverse option with steering column

Stop and Go function together with TMS:

Press and hold the front/back rocker against the direction of travel:

- > tractor comes to a stop,
- > when you release the rocker it accelerates in the opposite direction.

Press and hold front/back rocker in the direction of travel:

- > tractor comes to a stop,
- > when you release the rocker it accelerates in the same direction.



Settings.

Engine and transmission settings – dashboard

- Set maximum load control, cruise control, programmed change in direction of travel and engine speed (1+2)
- More menu points for setting the engine speed range for different jobs (e.g. when activating PTO)



- + Easy and safe to set on an external controller (touch + pushdial)
- + Quickly activate functions (Memo, Turbocoupling...)

Maintenance.

Oil supply – transmission protection – maintenance

Separate transmission and hydraulic oil supply

- Safely prevents the transmission and hydraulic fluid from mixing – especially important when changing crops frequently
- Active gearbox protection: no dirt deposits in the gearbox from contaminated hydraulic fluid
- Low maintenance costs: Gear oil change only required every 2,000 operating hours
- High extraction flow of 25 litres for complete tipping of even the biggest trailers

- + Proactively protects the transmission with separate oil supplies
- + Low maintenance costs, minimum downtimes thanks to long maintenance intervals



200 V/F/P Vario – PTO

PTO.

FENDT

fendt.com | Fendt is a worldwide brand of AGCO.

Design

Role

Controls



Front and rear PTO. 1/2

- front PTO 1,000 rpm or 540E – fuel-saving with reduced engine rpm at 540 PTO rpm or use as 750 rpm PTO
- Front PTO with wet coupling to reduce wear and noise
- Full engine horsepower at the front PTO
- Seasonal activation of front PTO (improved performance)
- Rear PTO with 3 PTO speeds 540/540E/1000 rpm
- Straight through drive from the crankshaft to the rear PTO shaft, only one gear step up to the PTO stub – extremely efficient
- Optional: Ground-speed PTO



- + Direct connection from crankshaft to PTO stub (only 1 gear step) for high efficiency
- + Electro-hydraulic speed pre-selection
- + External control from mudguard
- + Automatic start-up control
- + Inclined PTO profile for makes it very easy to put on the stub.
- + PTO stub can turn



Design. 2/2

Front PTO speeds

- Optional: 1000 rpm
- Optional: 540E – fuel-saving with reduced engine speed at 540 PTO rpms

Rear PTO speeds

- Standard: 540 / 540E / 1000
- Optional: 540 / ground-speed / 1000

Ground-speed PTO

- Ideal for speed-led drive of trailers and planters

Stall protection

- Stall protection prevents the engine from stalling over the PTO when speed drops abruptly (works from 1,700 rpm and in case of a sudden drop below 600 rpm)
- PTO clutch opens automatically when engine speed drops



Ground-speed PTO

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: Filling the slurry tanker: Activate the PTO externally then increase the engine speed in cab
- No more need to get in and out the cab., because the external PTO activation also increases the engine speed

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



Controls – settings.

Settings

Front PTO (on/off)

Rear PTO (on/off)

Rear hydraulics – lift / lower / fast-retract

Pushdial for depth control

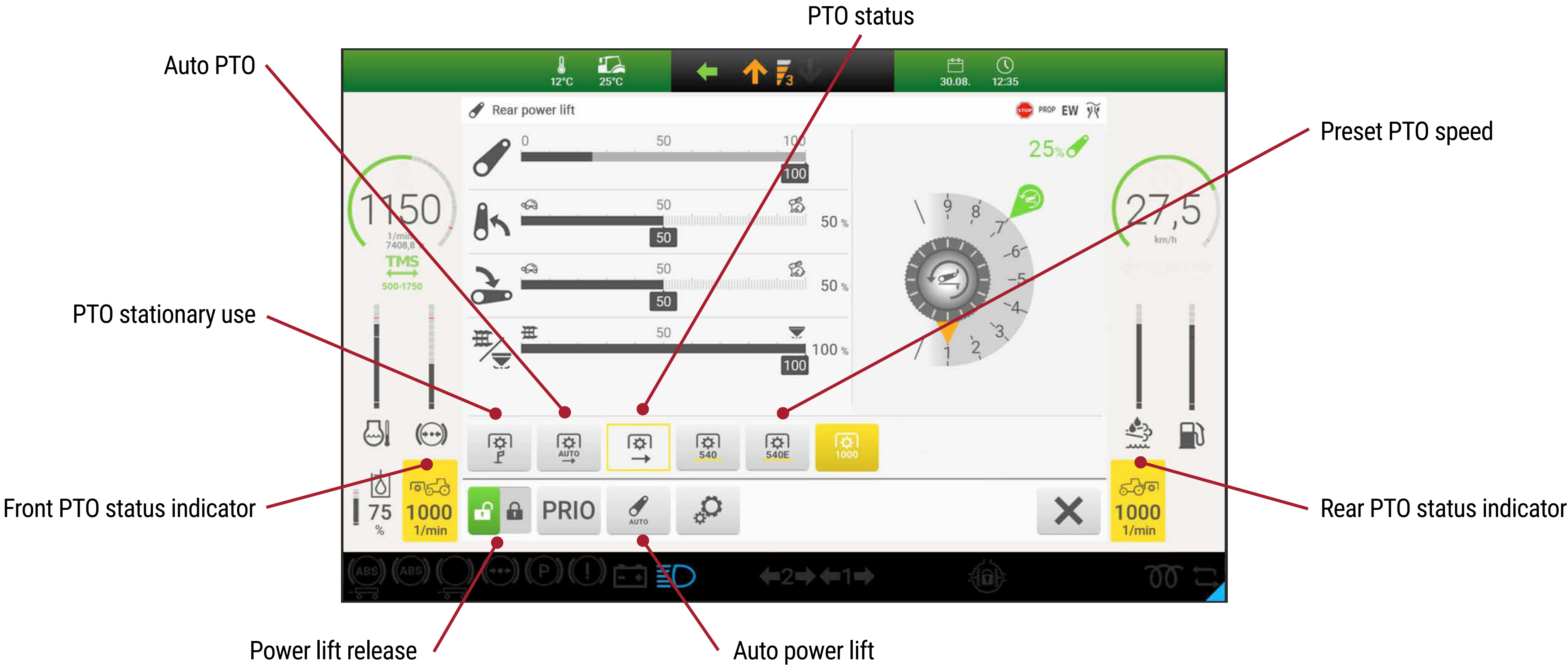
Swing power lift, side adjustment with floating position and lock

Swing power lift, tilt adjustment with floating position and lock

External rear PTO controls on both sides

Settings.

PTOs – settings – dashboard

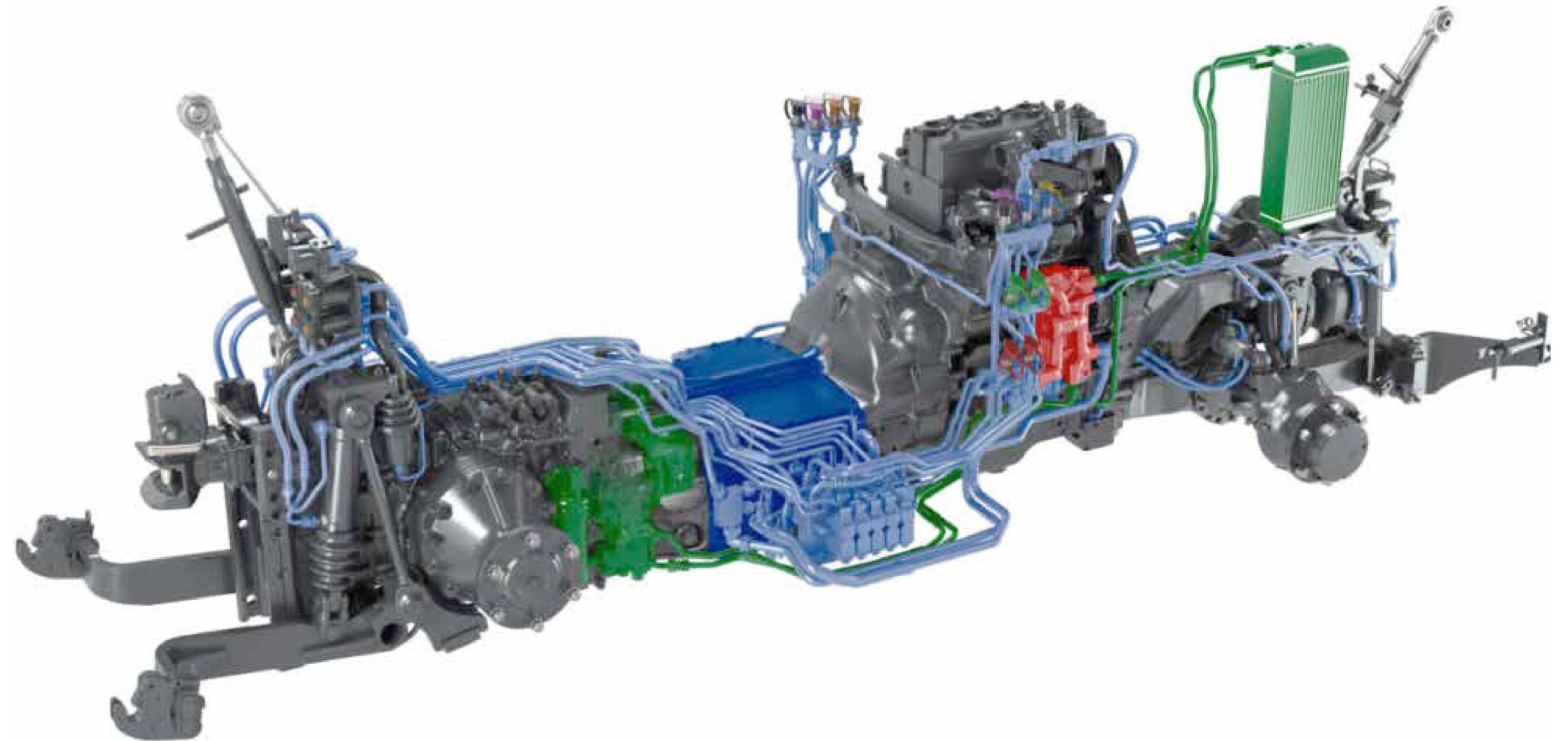


Hydraulics and linkage.

Hydraulics design

Front power lift

Rear power lift



Hydraulics design. 1/3

- Powerful hydraulic system with 2 pump versions
- 2-circuit hydraulics
- Up to 7 auxiliary control valves and 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 l
- Easy and intuitive controls
- Smart technology at the front and rear
- Unique swing power lift (200 V/F Vario)
- Separate supplies for transmission and oil
- Hydraulic oil cooled along with the heat exchanger of the transmission oil

- ✚ 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. 2/3

Features

- Standard tandem pump with 75 l/min (42+33 l/min) flow capacity
- Automatic fluid flow summation
- Optional Load Sensing variable flow pump with 119 l/min (48 +71 l/min) output on request
- Power Beyond coupling, centre-right (with LS pump)
- Proportional controls with multifunction joystick
- Electrical valves
- Settings on the dashboard and 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. 3/3

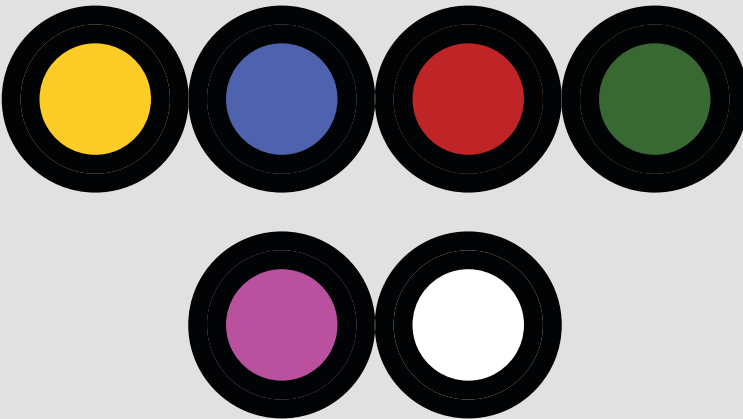
Working hydraulics

- At least 2 to max. 7 electrical hydraulic valves, dual-action, including central connections and front power lift with separate 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



- + Dual-action control units with floating position, double leak-proof
- + Countless setting options for every valve
- + Simple and convenient controls with multifunction joystick and crossgate lever

Circuits and pumps.

	Hydraulics circuit left max. Flow capacity	Hydraulic circuit right max. Flow capacity	Max. flow summation Flow capacity	Max. number of valves
Tandem pump	33 l/min	42 l/min	75 l/min	3 + front power lift or 4
Gear pump + load-sensing variable flow pump	48 l/min	71 l/min	119 l/min	7 + front power lift
Provides	Steering Front-axle suspension Hydraulic trailer brake Valves left (brown (2.1), purple (2.2)) 	Power lift Valves on the right (yellow, blue, red, green (1/4 with front power lift), pink (3.1), white (3.2)) 		



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



For a permanent consumer, select the red valve (up to 65 l/min) or the green valve (without front power lift) up to 40 l/min. Connect the second to brown or purple valve for two fixed consumers (if available)

Mounting spaces for the hydraulics.

Rear and middle left/right

- Min. 2 valves, max. 8 valves
- Standard or CUP 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
- Summation function for both hydraulic circuits
- Adjustable valve sensitivity
- Hydraulic cross-connection to avoid loose hoses over the bonnet
- Bracket available for hydraulic lines right and left, for safe and proper guidance of hydraulic hoses from the implement to the connections



Equipment options. 1/5



Power range: Setting 2: min. and max. equipment

- Hydraulic tandem pump: 33 + 42 = 75 l/min flow capacity
- Optional: LS system with variable flow pump 48 + 71 = 119 l/min flow capacity
- Crossgate lever

Standard: 2 valves (2+0)

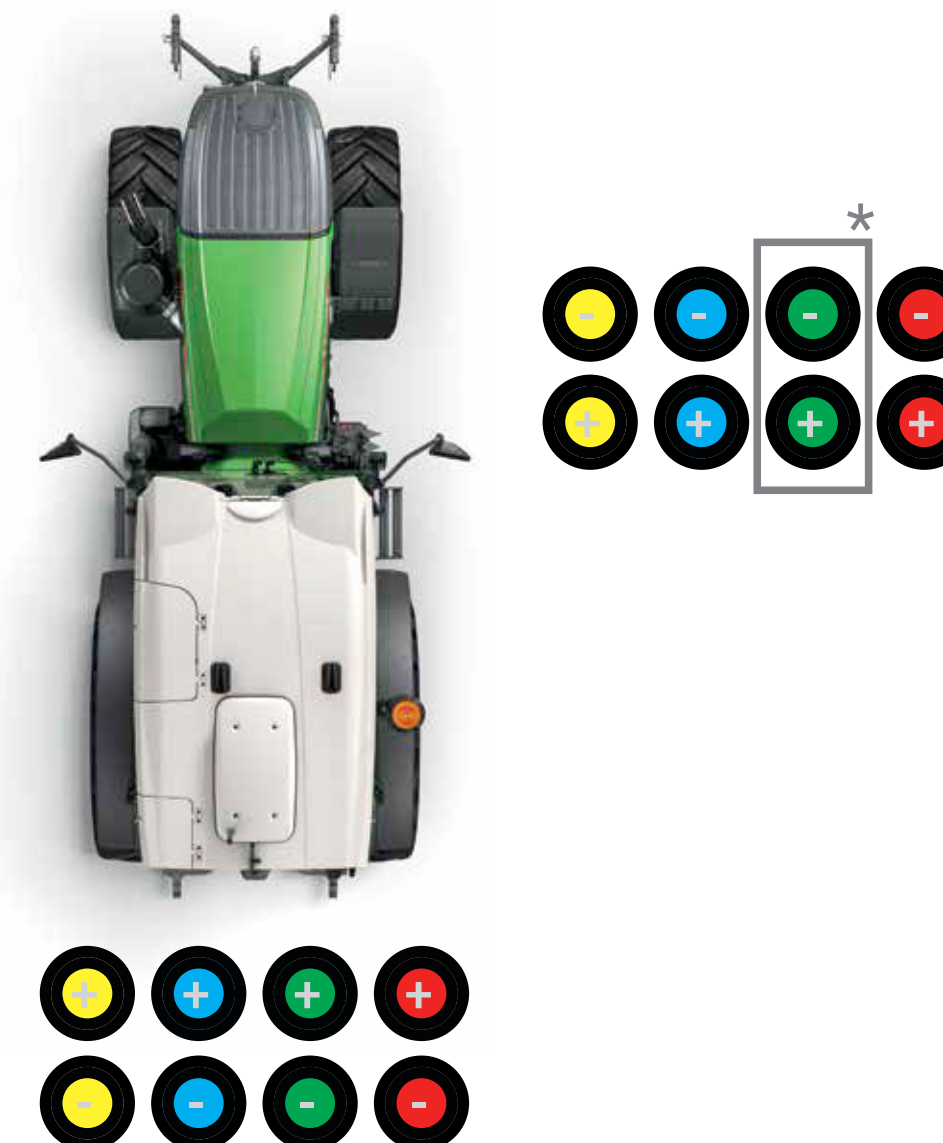
- 1/1 and 1/2 centre-right and rear – optional CUP configuration at the rear



Maximum: 4 valves (4+0)

H 235 or H255

- 1/3 centre-right and rear (red)
- 1/4 centre-right and rear (green)
(*only on versions without front power lift)
- Optional CUP configuration at rear



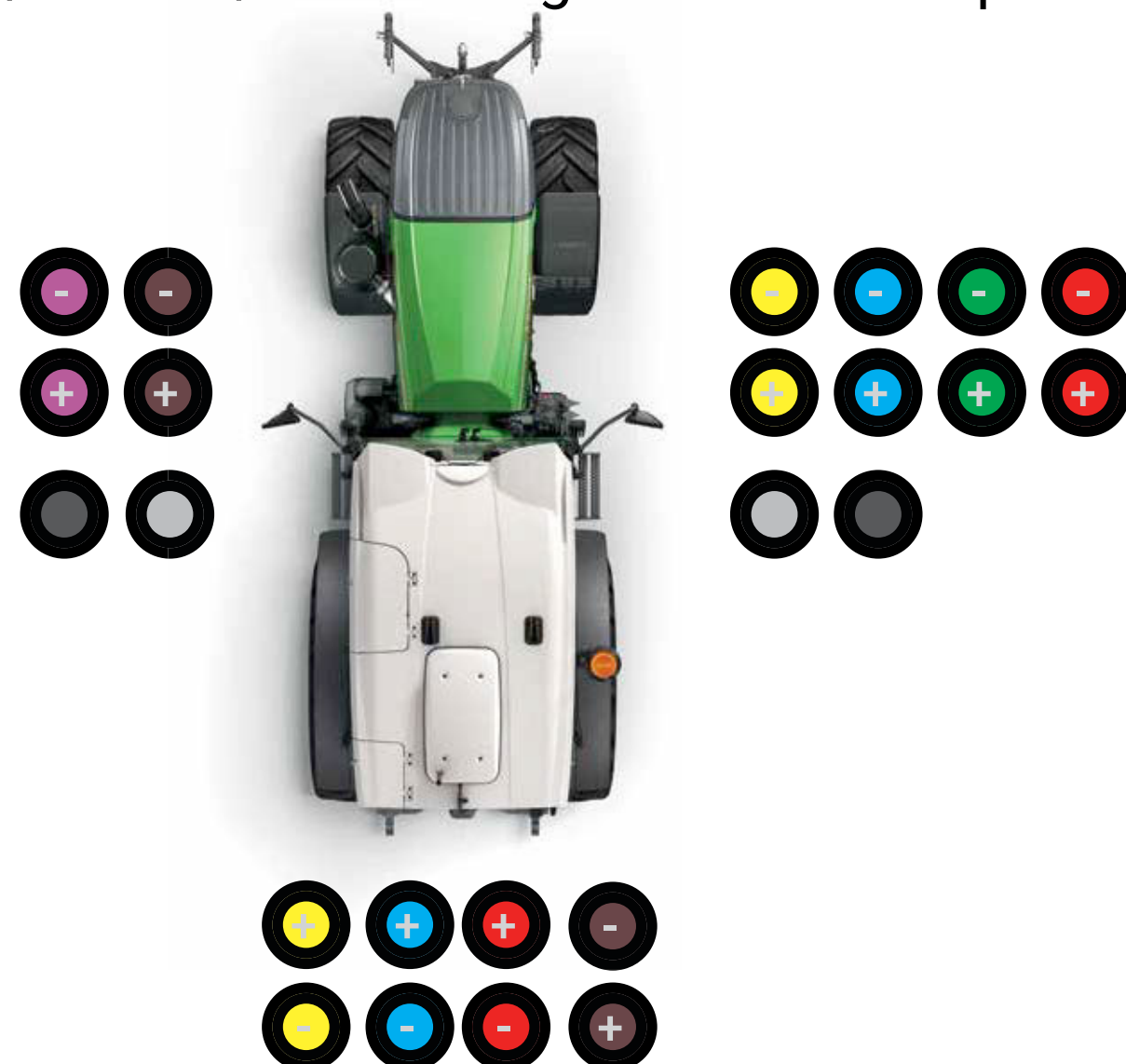
Equipment options. 2/5

Profi line: Setting 1: standard and max. equipment

- LS system with variable flow pump 48 + 71 = 119 l/min flow capacity
- Crossgate lever
- 2 linear modules

Standard: 2 valves (2+0)

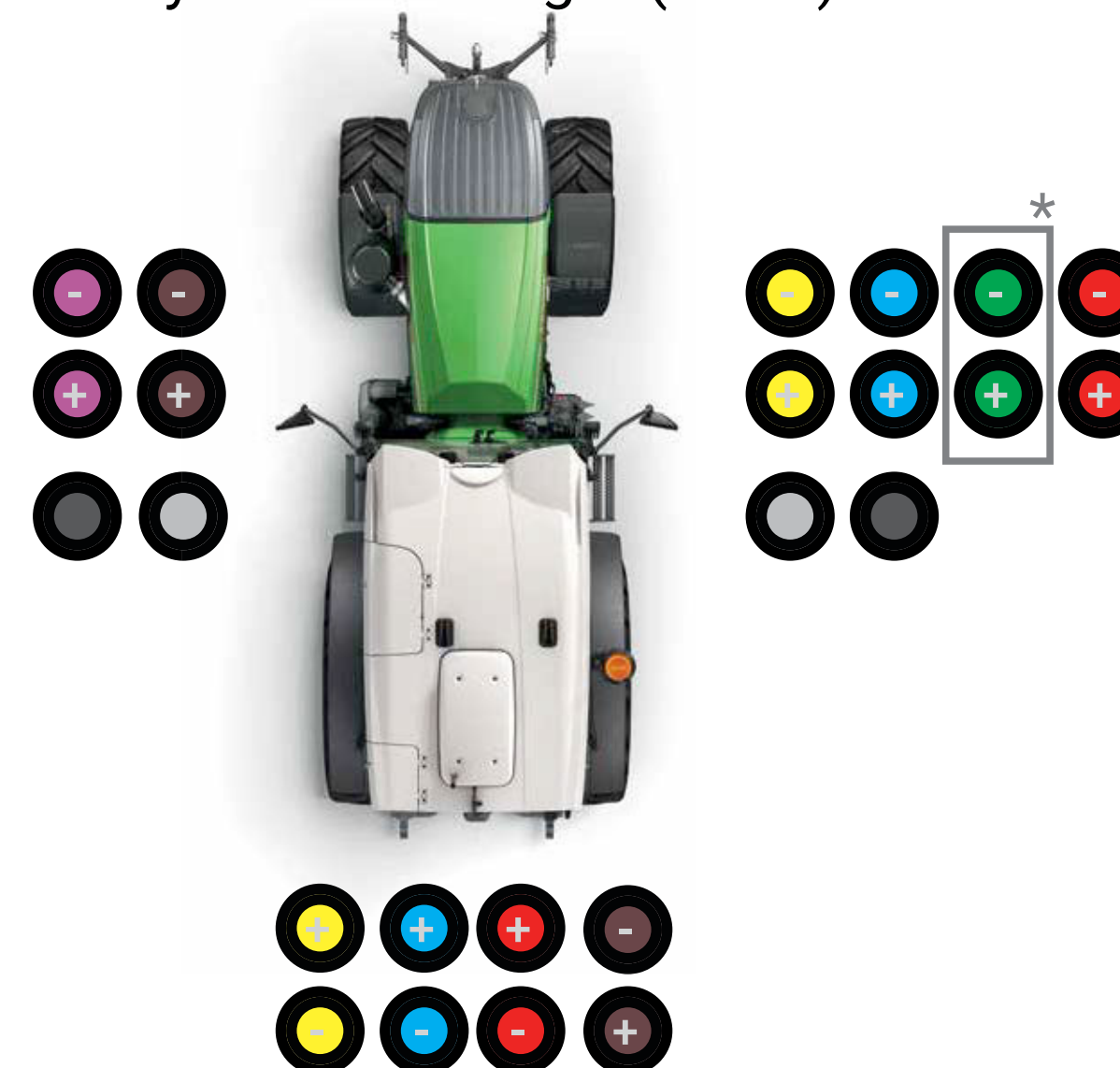
- 1/1 and 1/2 centre-right and rear – optional CUP design



Maximum: 6 valves (4+2)

Optional:

- 1/3 centre-right and rear (red) (H060)
- 1/4 centre-right and rear (green) (H216)
(* only on versions without front power lift!)
- 2/1 centre-left and rear (H340)
- Optional CUP configuration at rear
- 2/2 centre-left (H375)
- Power Beyond centre-right (H200) not with 1/4 centre-right +rear



Equipment options. 3/5

Profi line: Setting 2: standard and max. equipment

- LS system with variable flow pump 48 + 71 = 119 l/min flow capacity
- 2 linear modules
- 3L joystick
- 12" terminal

Standard: 2 valves (2+0)

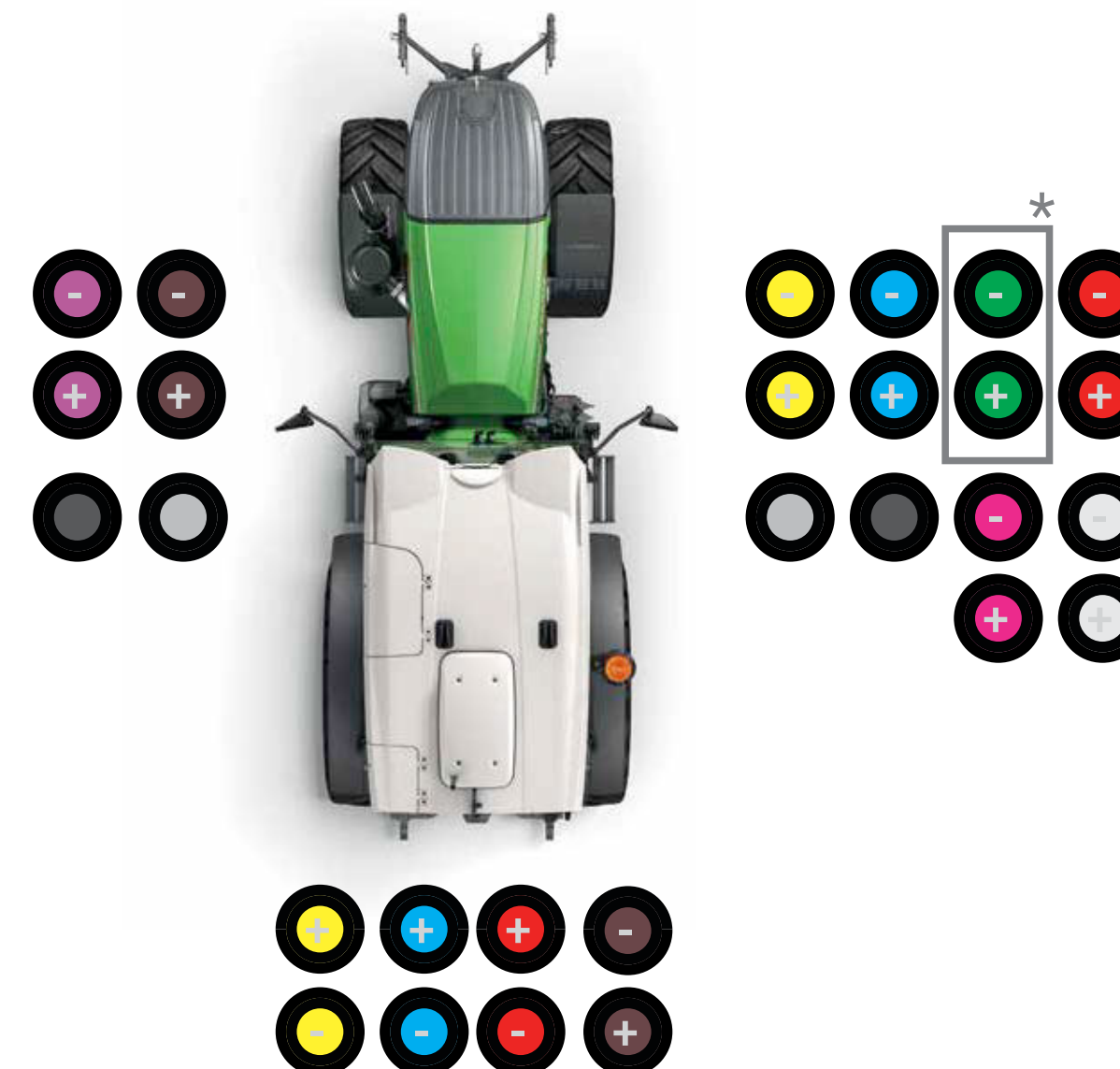
- 1/1 and 1/2 dual-action centre-right and rear
- Optional CUP configuration at rear



Maximum: 7 valves (5+2)

Optional:

- 1/3 dual-action centre-right and rear (red) (H060)
- 1/4 dual-action centre-right and rear (green) (H216)
(* only on versions without front power lift!)
- 2/1 dual-action centre-left and rear (H340)
- Optional CUP configuration at rear
- 2/2 dual-action centre-left (H375)
- Power Beyond (H200) – not on 1/4 centre-right + rear and front power lift
- 3/1 and 3/2 dual-action centre-right (H050) – but only without Power Beyond



Equipment options. 4/5

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

- LS system with variable flow pump 48 + 71 = 119 l/min flow capacity
- Crossgate lever
- 2 linear modules
- 12" terminal

Standard: 3 valves (3+0)

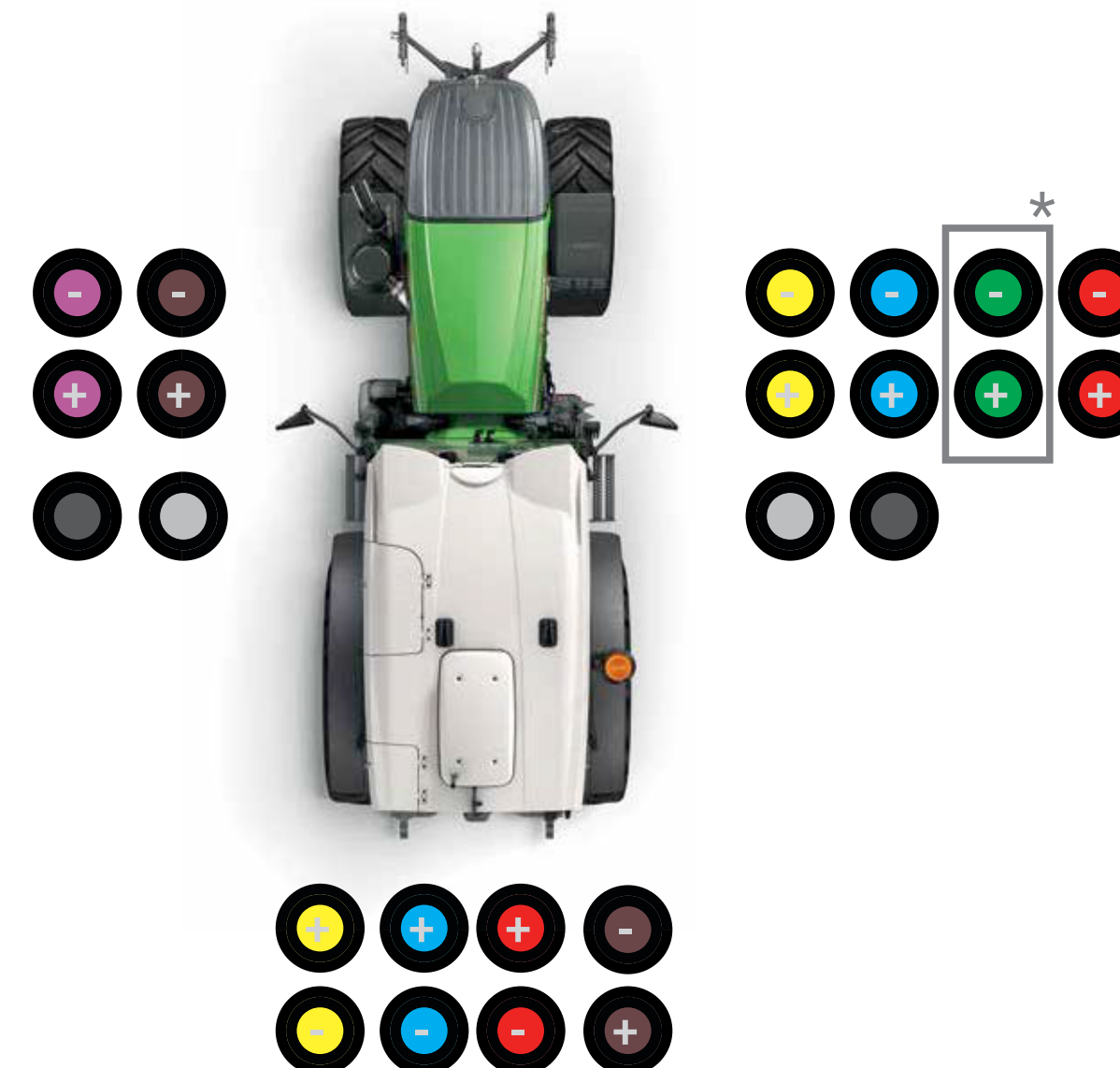
- 1/1 and 1/2 centre-right and rear
- 1/3 centre-right and rear (H060)
- Optional CUP configuration at rear



Maximum: 6 valves (4+2)

Optional:

- 1/4 centre-right and rear (green) (H216)
(* only on versions without front power lift!)
- 2/1 centre-left and rear (H340)
- Optional CUP configuration
- 2/2 centre-left (H375)
- Power Beyond (H200) not with 1/4 centre-right +rear



Equipment options. 5/5

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

- LS system with variable flow pump 48 + 71 = 119 l/min flow capacity
- Linear modules
- 3L joystick
- 12" terminal

Standard: 3 valves (3+0)

- 1/1 and 1/2 dual-action centre-right and rear
- 1/3 dual-action centre-right and rear (H060)
- Optional CUP configuration at rear



Maximum: 7 valves (5+2)

Optional:

- 1/4 centre-right and rear (green) (H216)
(* only on versions without front power lift!)
- 2/1 dual-action centre-left and rear (H340)
- Optional CUP configuration at rear
- 2/2 dual-action centre-left (H375)
- Power Beyond (H200) – not with 1/4 centre-right + rear
- 3/1 and 3/2 dual-action centre-right (H050) – not with Power Beyond



Working hydraulics.

Controls

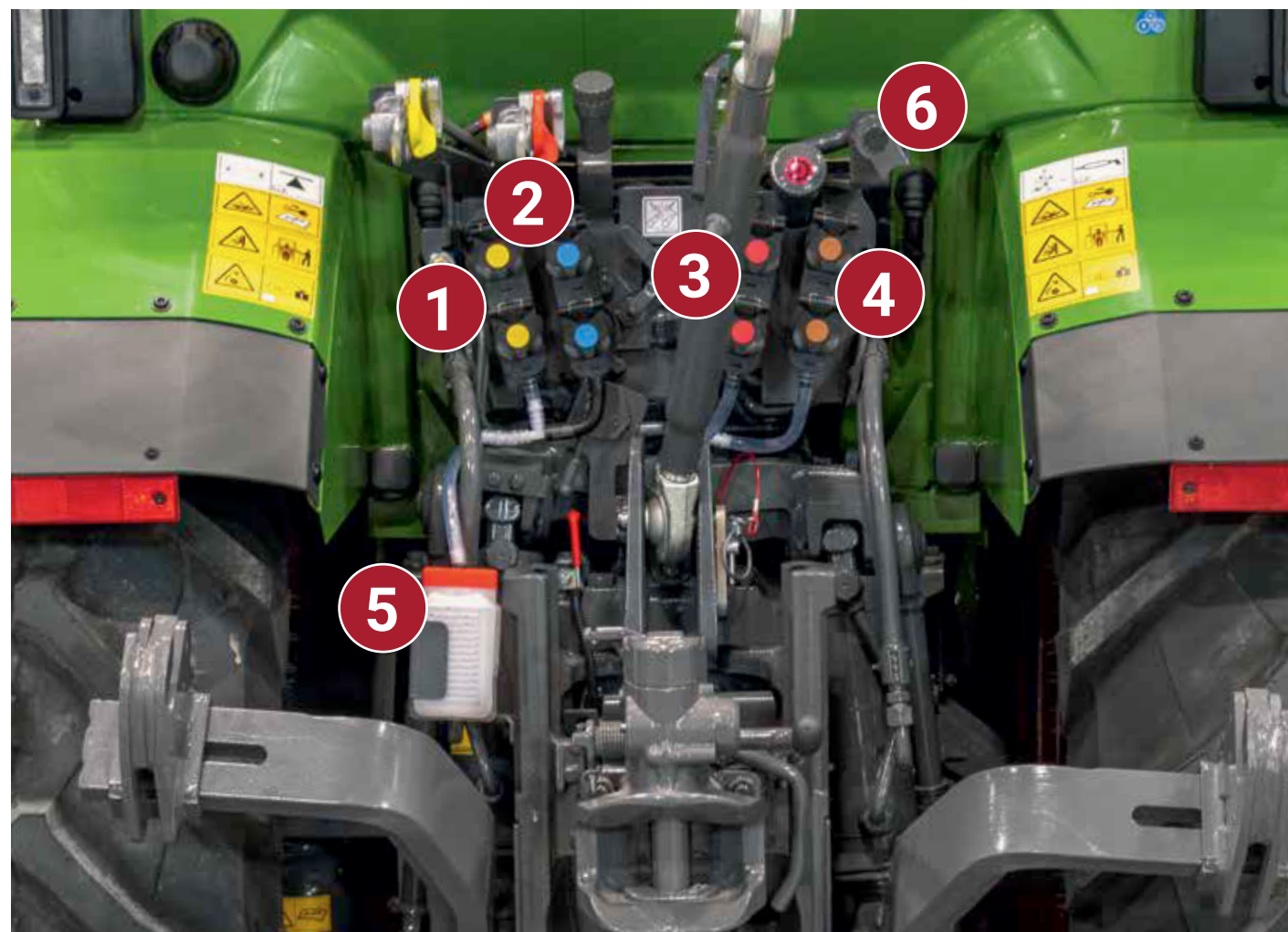
- 1** Proportional control of 2 valves on multifunction joystick,
 - 5 white + 4 petrol-coloured buttons for you to assign
- 2** Crossgate lever with proportional control for 2 valves
 - Use pushbuttons to switch to 3rd and 4th circuit
 - Click in for continuous mode and floating position
- 3** 3L joystick – control up to 4 valves and freely assignable buttons e.g. 3rd circuit
- 4** 2 linear modules (rockers) from Profi upwards
 - Plus, minus, floating position, continuous mode (via terminal), timer (via terminal)
- 5** Swing power lift activation (V/F) to adjust side angle and tilt



Working hydraulics views.

Rear

- 1** 1/1 valve, yellow
- 2** 1/2 valve, blue
- 3** Valve 1/3, red
- 4** Valve 2/1, brown
- 5** Leak oil collection tank
- 6** Return



Centre left

- 7** Cross-connection (grey)
- 8** Valve 2/1, brown
- 9** Valve 2/2, purple
- 10** Free flow return



Centre right

- 11** Cross-connection (grey)
- 12** 1/1 valve, yellow
- 13** 1/2 valve, blue
- 14** Return, black
- 15** Valve 1/3, red



Controls.

Working hydraulics

Flexible control point:

1st and 2nd Valve does not depend on equipment line:

Multifunction joystick

Crossgate lever with control (3rd & 4th circuits)



Flexible control point:

3rd and 4th Valve does not depend on equipment line:

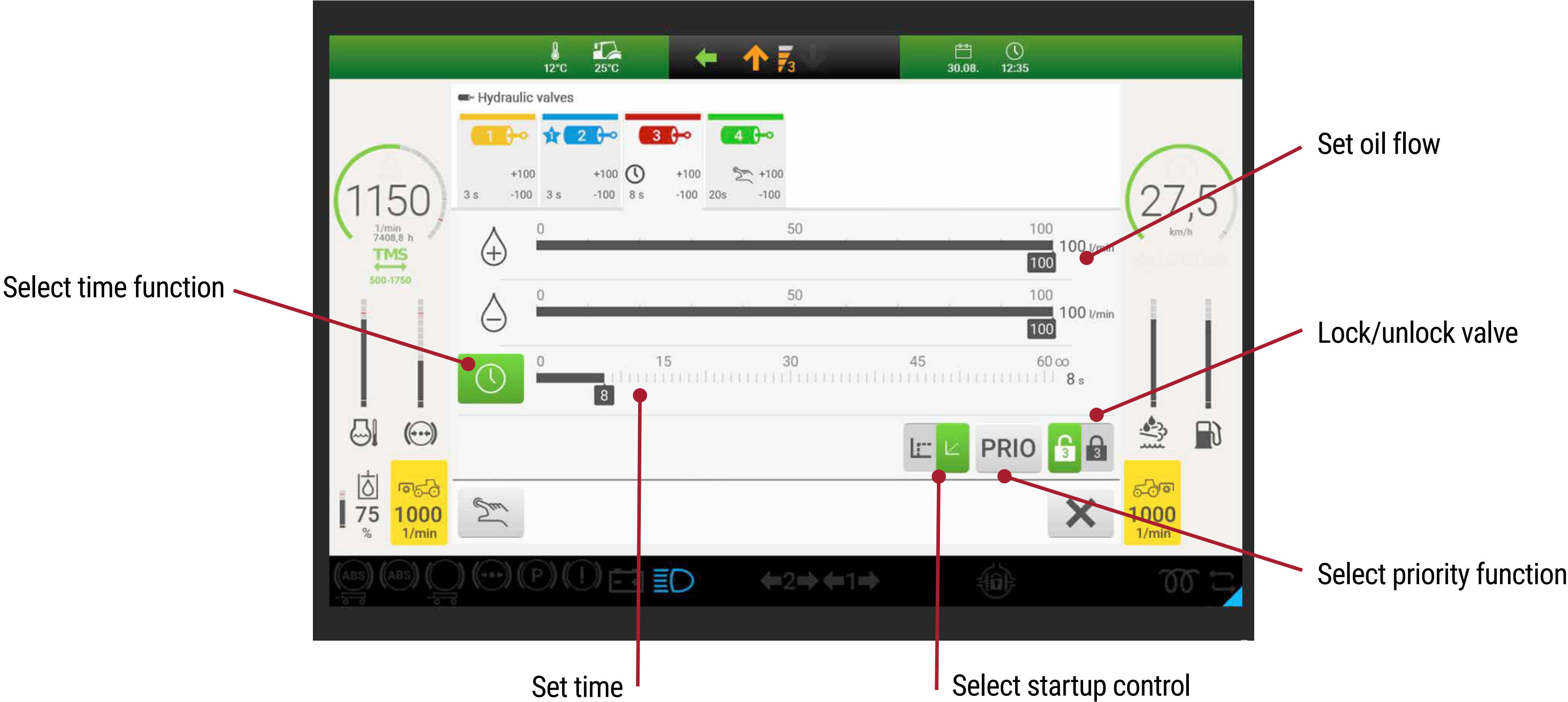
3L joystick

Linear module (rocker pair)



Hydraulics – settings and navigation.

Working hydraulics – settings – dashboard



Hydraulics – controls.

Working hydraulics – external controls

Both sides, rear:
Activate rear power lift

PTO on/off



Front:

Activate front power lift



Front power lift V/F.

- 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
- Built-in side protection without protruding lines
- Top links with solid brackets and easy handling
- High max. lift capacity at the coupling point: 2,380 daN
- High full lift 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

Benefits:

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



Front power lift P.

- Cat. II front power lift
- Front power lift fully integrated with short run-in for the best manoeuvrability
- Compact transport mode: Folded lower links right up close to the vehicle
- Built-in side protection without protruding lines
- 3 front power lift variants depending on requirements – standard / position and load-relief position control
- Top links with solid brackets and easy handling
- High max. lift capacity at the coupling point: **2,540 daN**
- High full lift capacity at the coupling point: **1,680 daN**
- Quick couplers
- Built-in valve disc, no additional control unit required
- Drive the implement rigidly or with swing compensation
- Quick and easy to convert from working to transport position (re-insert 2 bolts)

Benefits:

- + Easy to attach weights and implements
- + Robust and very compact design for top manoeuvrability
- + Lower links are quick to remove and fold in
- + Vibration damping with nitrogen accumulator for implementation protection and driving comfort
- + Built-in cylinder protection with bellows
- + Working hydraulics are not restricted by the front power lift (has its own valve disc!)



Front power lift P comes in 3 versions.

Front power lift P – choice of 3 variants

- Front power lift can be activated externally
- Switch tap for sa/da controls
- Front power-lift control with separate valve
- Other valves are available for the working hydraulics

3 variants:

1. Standard front power lift
2. Comfort front power lift with position control
3. Comfort front power lift with position and load relief control
 - Front power lift can be activated externally
 - Switch tap for sa/da controls
 - Controls for comfort front power lift on control console and dashboard or the 12" terminal

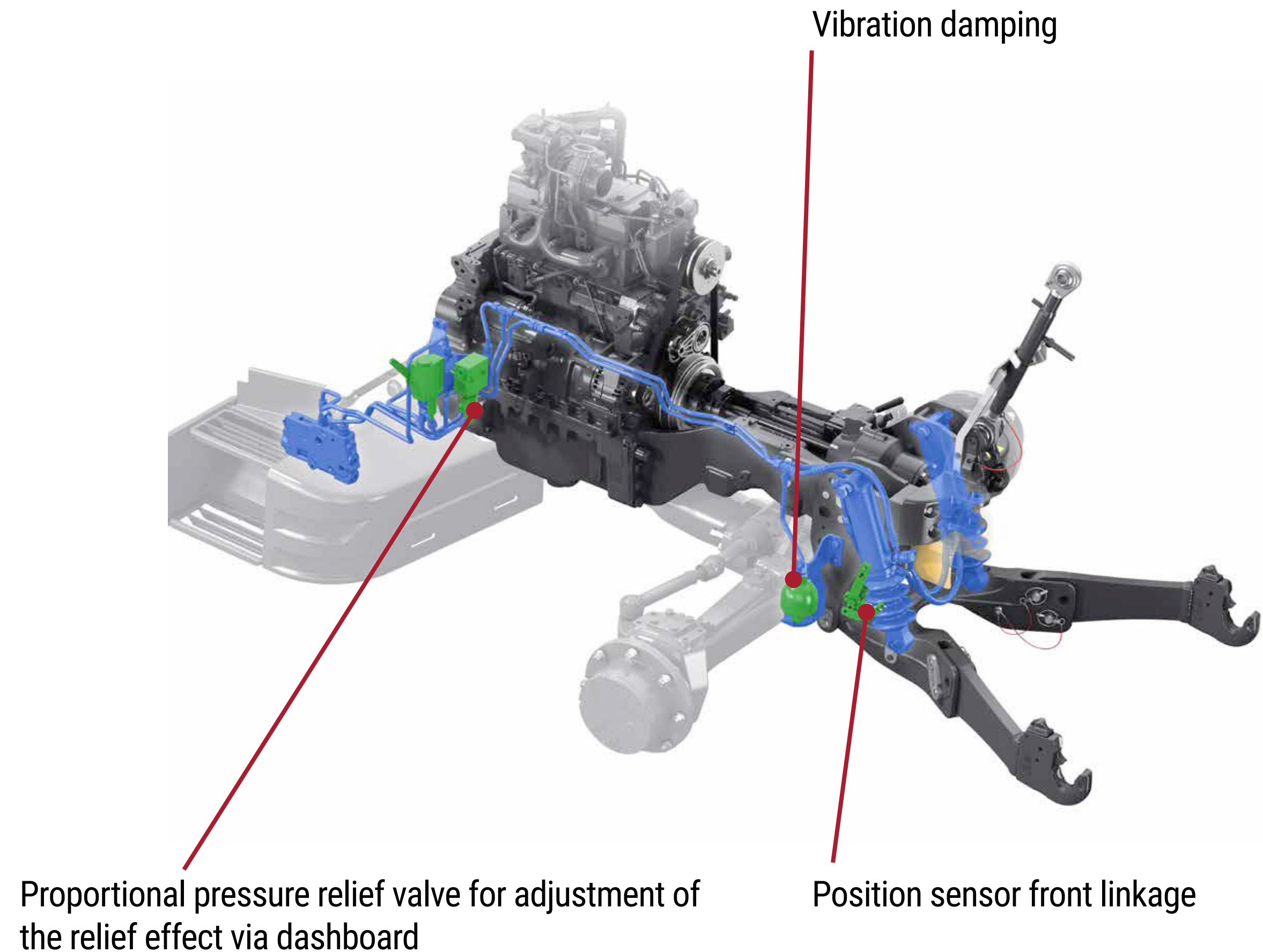


200 P: Front linkage with relief control.

Superstructure Comfort front linkage

- Active, dynamic control of the support or relief pressure between 3 - 100 bar via dashboard or terminal
- Control takes place from speed > 0.6 km/h

- + Attachment follows the ground contour exactly
- + Enables equipment-friendly and fuel-saving work
- + Protection of the sward when using a mower / mulcher
- + Ensuring directional stability and traction by loading the front axle depending on the area of application
- + Elimination of relief springs



200 P: Benefits of the load-relieving front power lift.

Benefits

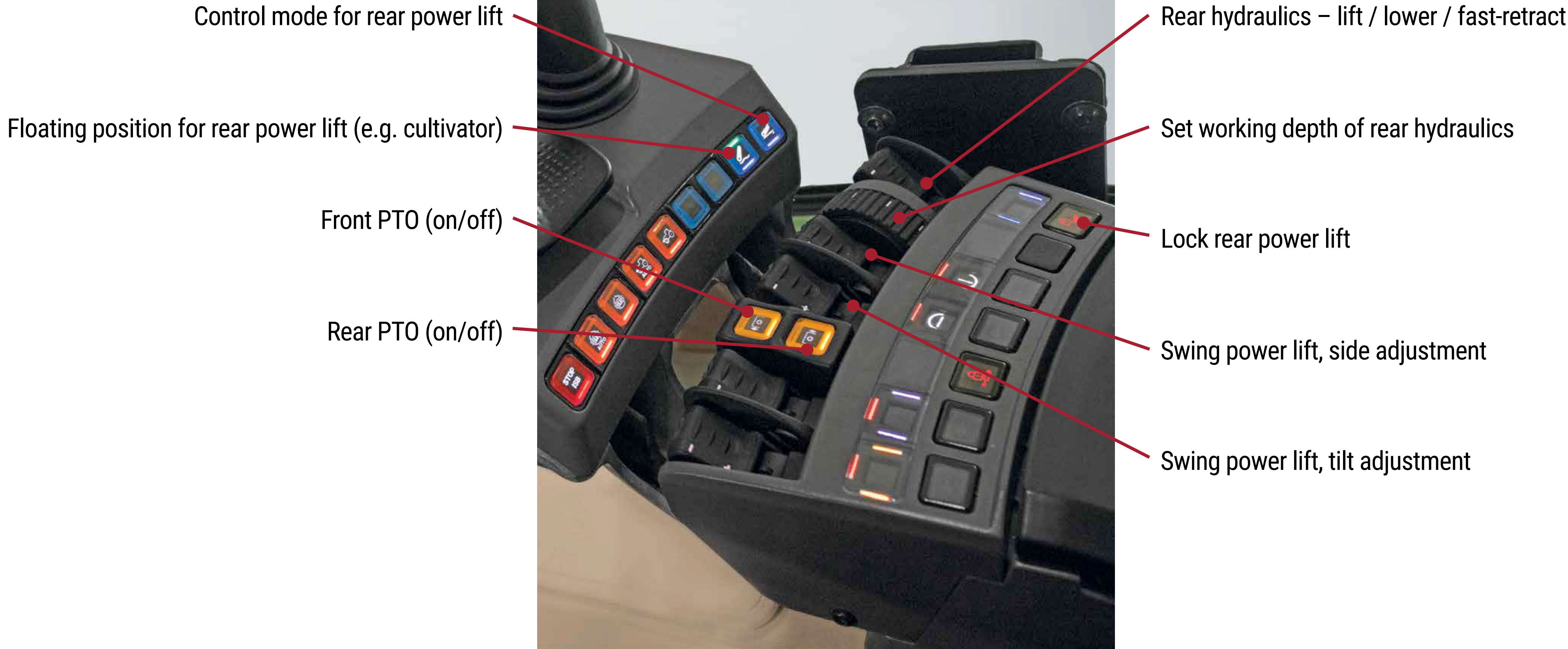
- + Attachment follows the ground contour precisely at a continuous height for work that's gentle on the implement and saves fuel
- + No need to install or adjust relief springs
- + Exceptionally easy to use with settings on the terminal
- + Best traction and tracking: The weight transferred from the implement to the front axle increases traction and prevents drift on the hillside.
- + Public space mower/mulcher: Protects the sward for the best feed quality – lower raw ash content. Does not pierce the sward.
- + For winter work with a snow plough: constant field pressure control for uniform clearing results.



Controls – settings.

Swing and rear power lift

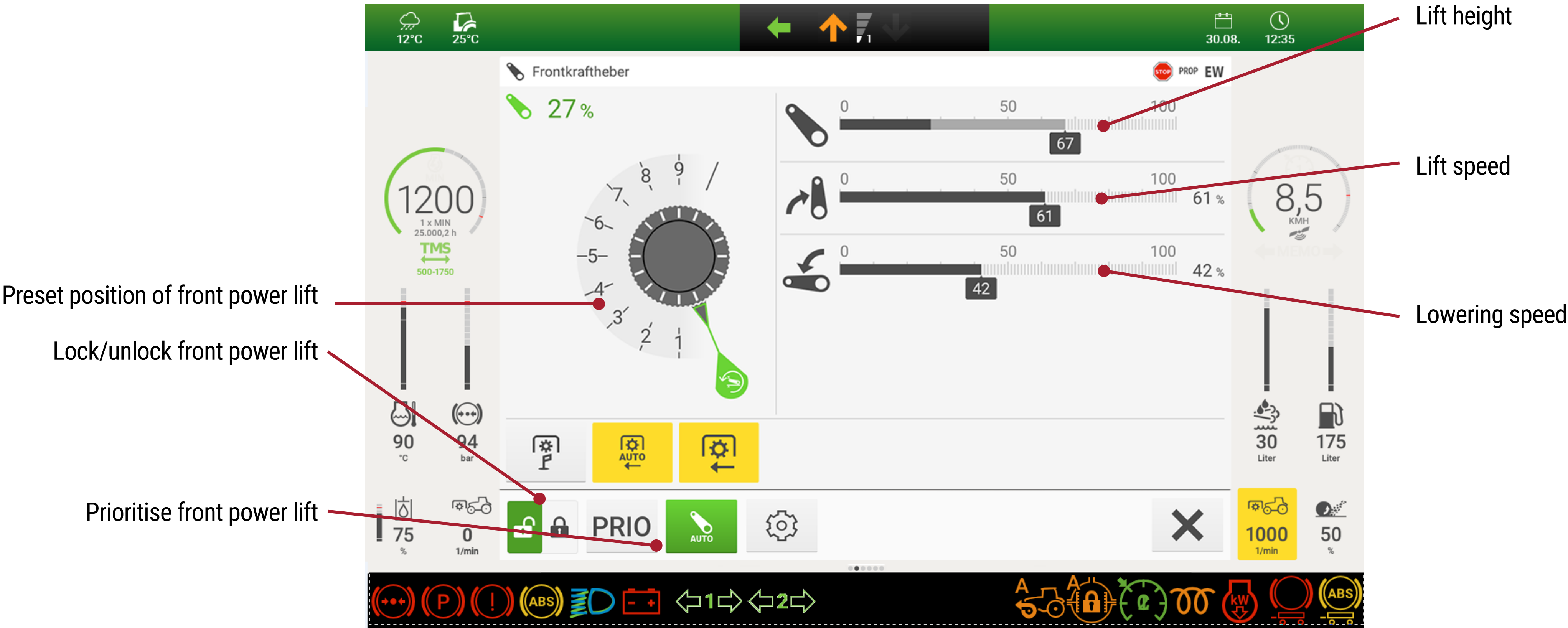
Settings



Controls – settings.

Front power lift

Make your settings on the dashboard



Rear power lift V/F. 1/2

Design

- Unique swing power lift Cat. I/II
- High max. lift capacity at the coupling point:
 - Short lower link: **2,775 daN**
 - Long lower link: **2,417 daN**
- High full lift capacity at the coupling point:
 - Short lower link: **1,785 daN**
 - Long lower link: **1,647 daN**
- Tow point in front of the rear axle → Increased traction
- Shock load stabilising system 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



Rear power lift V/F. 2/2

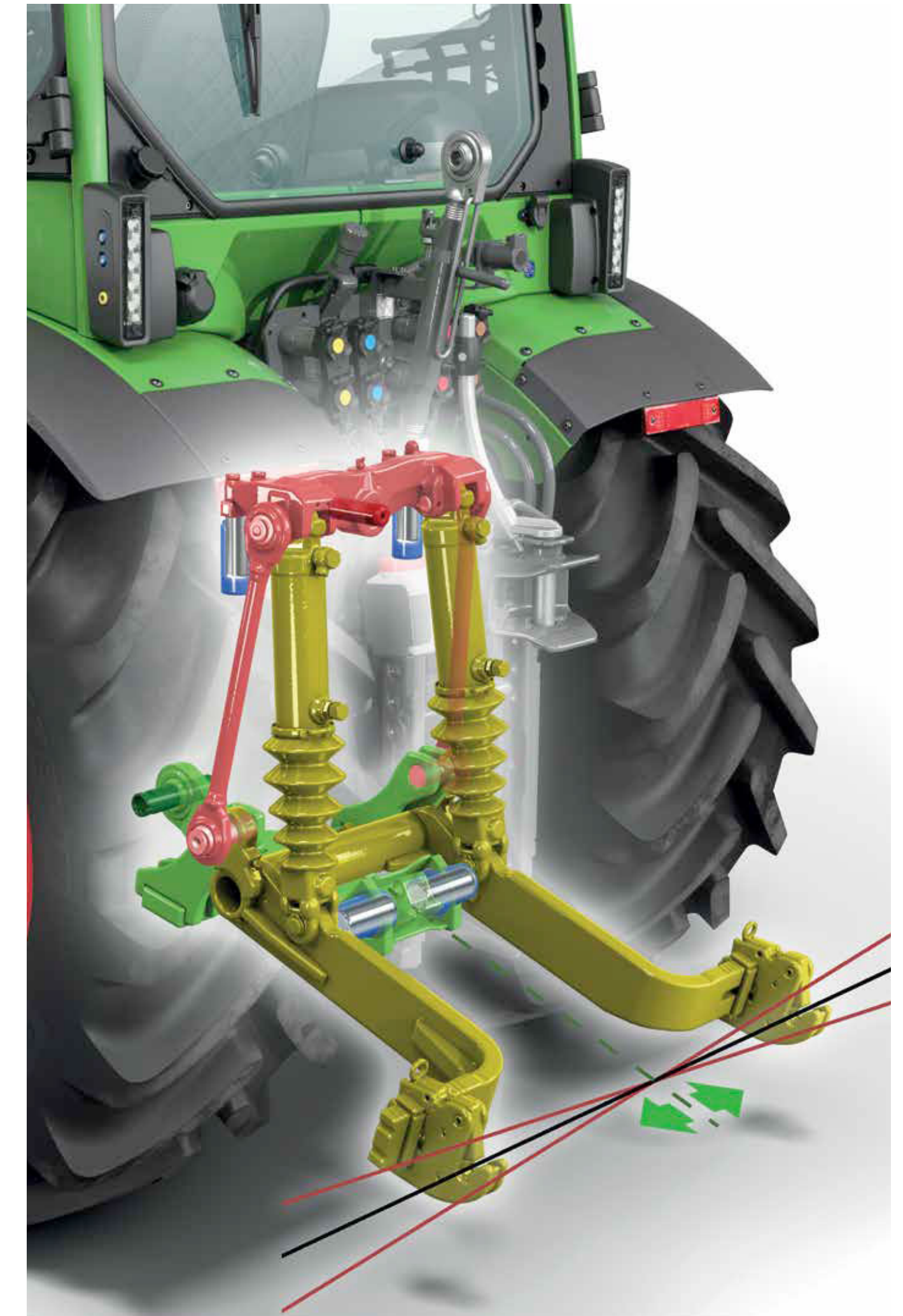
Hydraulic tilt and horizontal adjustment and lower link variants

- 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

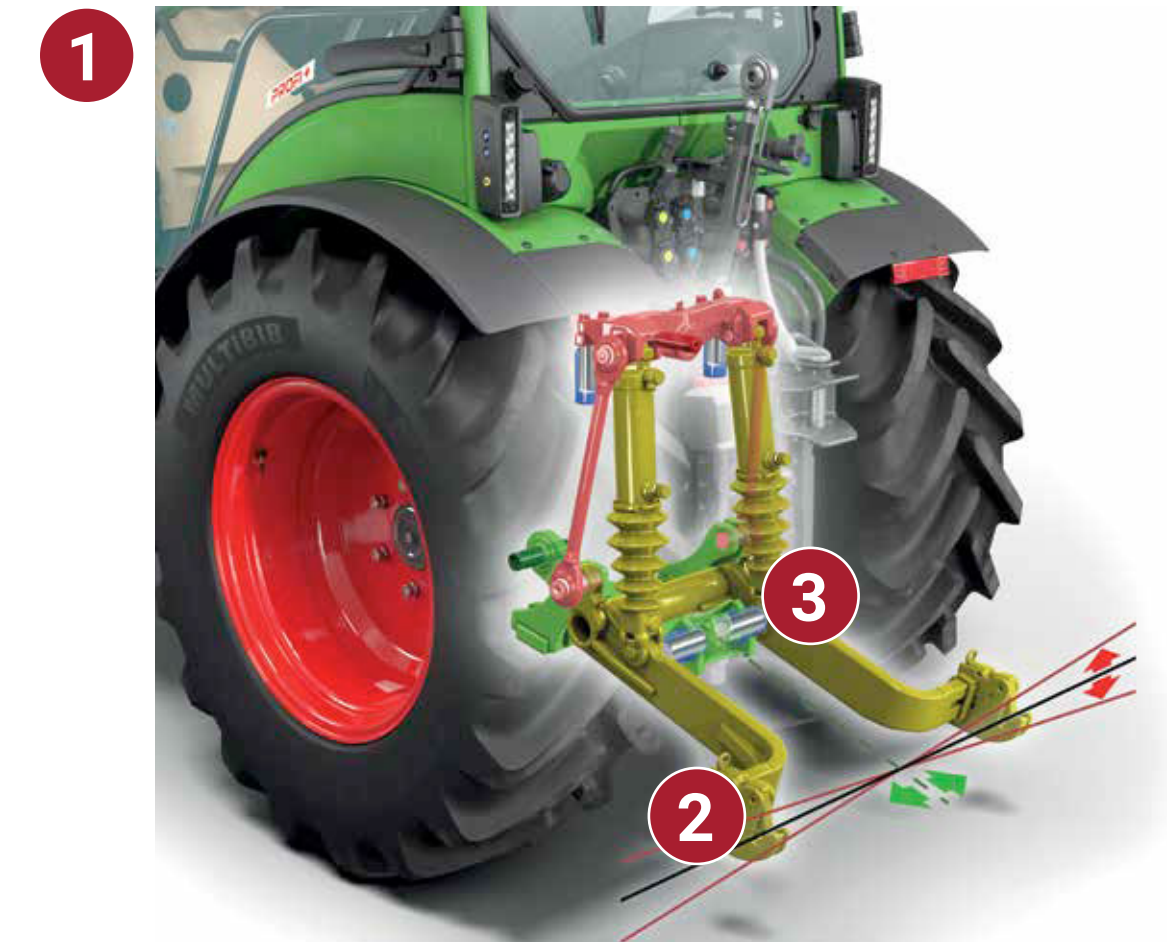
- 200 V Vario: Short or long lower link
- 200 F Vario: Long lower link
- Quick coupler hook for implement bolts Cat. I or Cat. II
- Difference between short lower link and long lower link from pivot point to central catch hook (length of lower link): 6 cm
- Distance of lower link hooks over long hole adjusts to fit different mounting dimensions
- Adjustment range of lower link clearance:
- Short lower link: 591-765 mm – Long lower link: 698-872 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



Swing power lift in practice (V/F).

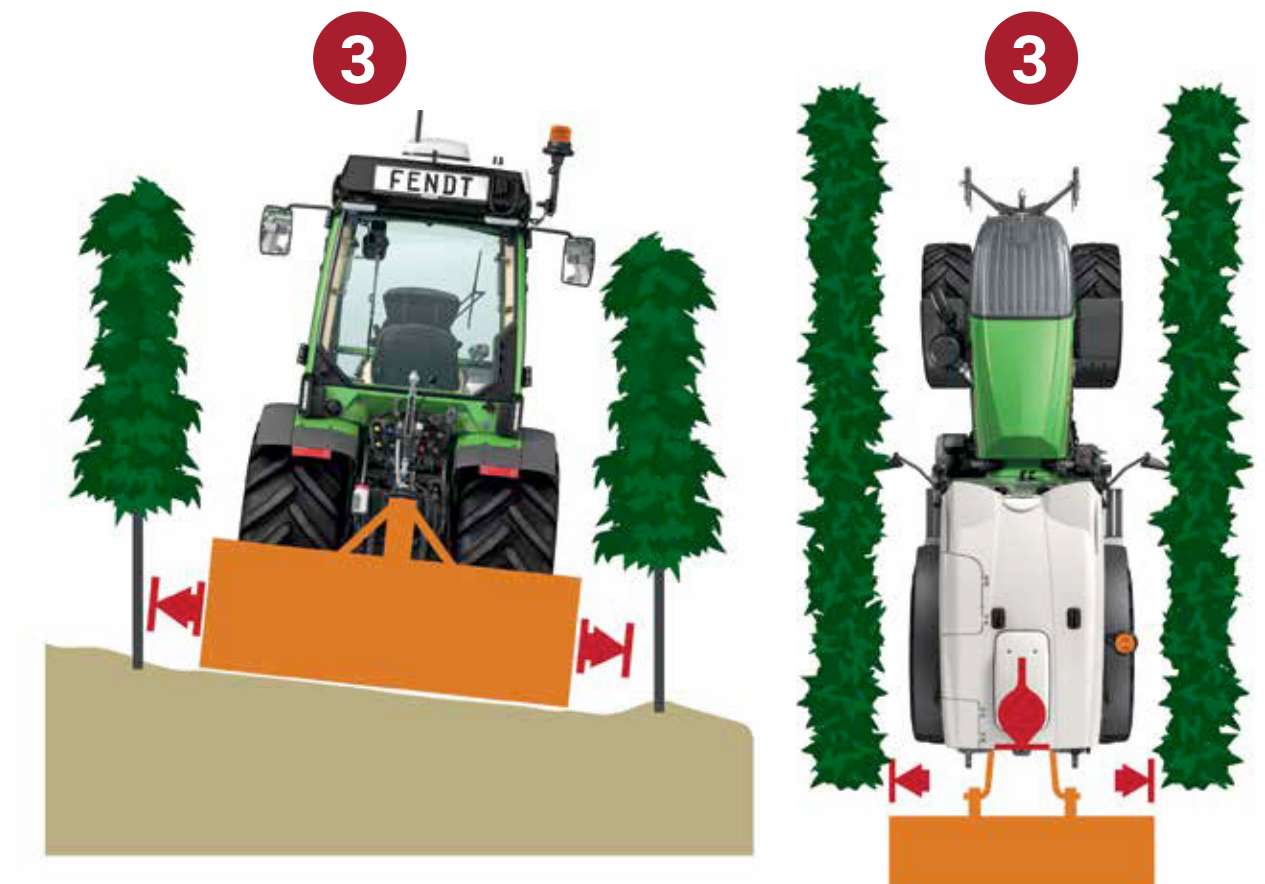
- 1 The exclusive Fendt swing power lift adapts rear implements to the terrain fully hydraulically.**
 - By steplessly adjusting the tilt and horizontal shift of the power lift from the driver's seat, our Fendt 200 V/F tractors offer enormous advantages when working with cultivators, cutters or forklifts.
- 2 • Practical advantages of tilt adjustment:**
 - Using two hydraulic cylinders (on request), the rear unit can continuously compensate for the slope.
- 3 • Practical advantages of side adjustment:**
 - The implement is guided exactly in the row via two hydraulic cylinders that lock the lower links.



Tilt adjustment

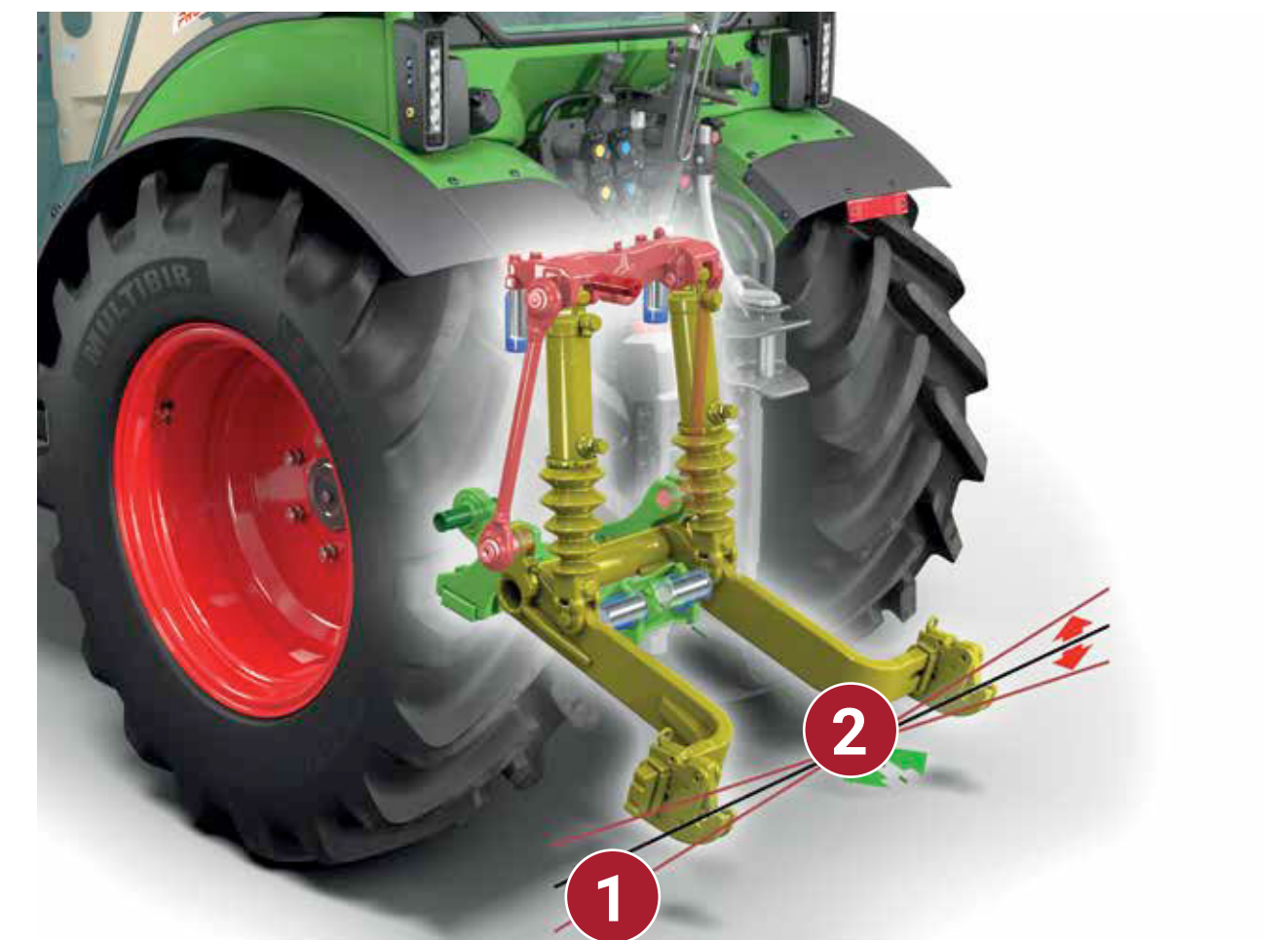


Side adjustment



Swing power lift – control (V/F).

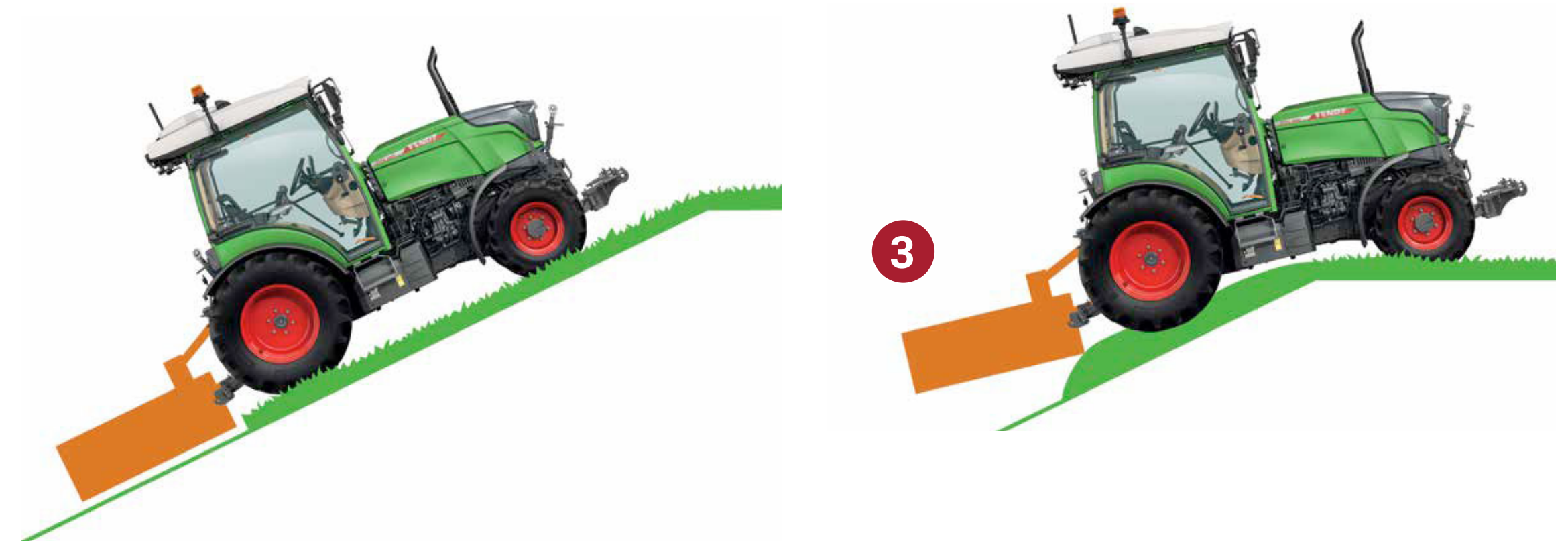
- 1** • Adjust hydraulically with 2 rockers
 - Tilt adjustment
- 2** • Side shift with the functions:
 - Left/right shift
 - Floating position
 - Lock
 - 12" display



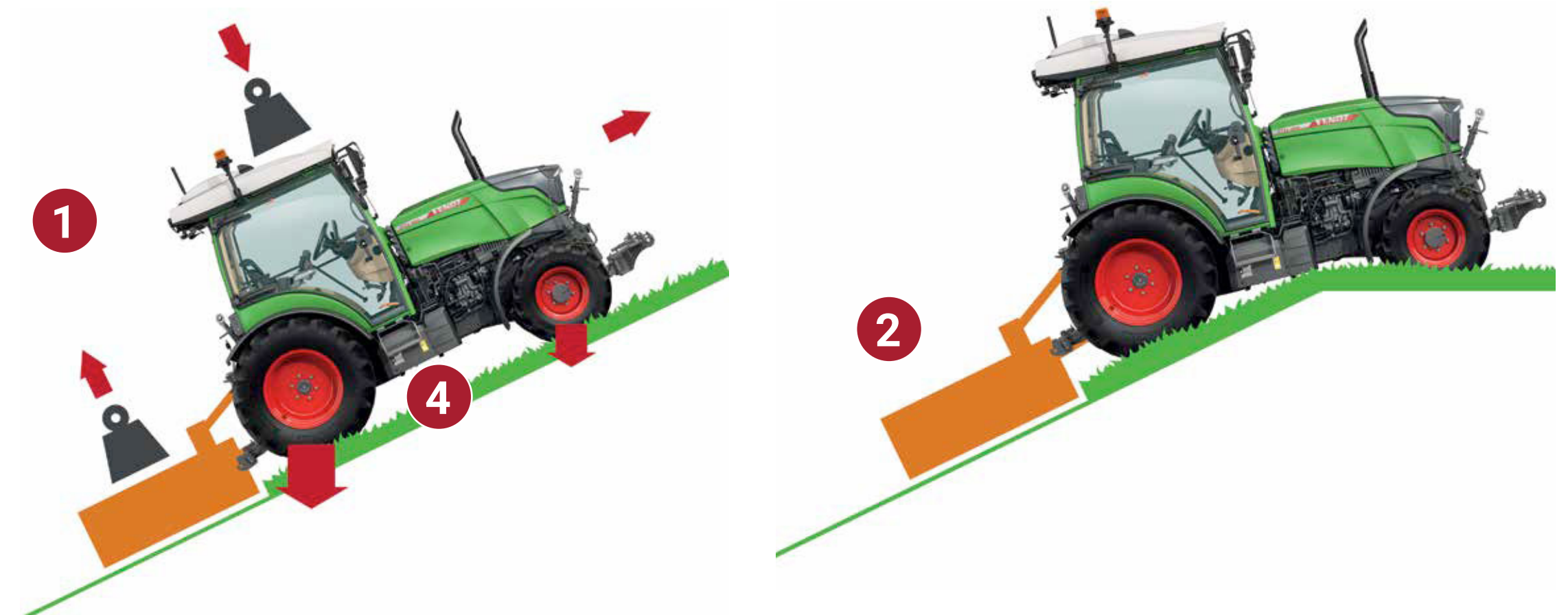
Rear power lift with load-relief (V/F).

- With load-relief control, the implement e.g. mulcher, can be guided at a constant working height including on uneven ground. **1**
- Very important when working on the overhang from slope to level ground (and vice versa), where the rear implement actively stays at ground height **2** without swinging upwards. **3**
- The rear attachment - e.g. a mulcher – actively follows the ground contour precisely at 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.

Without auto-control



With auto-control



- + Clean results
- + More traction and climbing ability with the weight transfer
- + Less effort for the driver as later adjustments are not needed

200 P: Rear power lift build.

Build

- Conventional rear power lift Cat. I/II
- Auto function (PTO)
- High max. lift capacity: 3,190 daN
- Active shock load stabilising system for travelling on the road with attachments – reduces pitching movements and increases steering safety 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
- Can be actuated via multifunction joystick
- External controls on both mudguards



Rear power lift control.

Controls – settings

Make your settings on the dashboard



200 V/F/P Vario – cab

Comfort cab.

FENDT

fendt.com | Fendt is a worldwide brand of AGCO.

Design

Equipment

Controls

Lighting



Comfort cab design. 1/2

Overview – Comfort cab

- All-new 4-pillar cab with extended windscreen and unique all-round view to the sides – no opening front window; mounted on silent blocks
- Steering column and dashboard adjusts in height and tilt with foot pedal
- 10" central, adjustable dashboard with pushdial
- FendtONE – control panel including multifunction joystick; pushdial and key 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 delivered for the first time at protection class Cat. 4 for V/F/P (optional)
- Slim version 200 V Vario
- Wide version 200 F/P Vario: approx. 12 cm wider



Cab – benefits. 2/2

Benefits of the Comfort cab

- + Spacious cabin with excellent all-round view and generous sense 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 afterglow in darkness
- + Ventilation/heating and air conditioning concept for feel-good temperatures
- + Outside temperature indicator



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 V: 400 mm /F/P: 470 mm
- Storage compartment at the door, fold-away



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

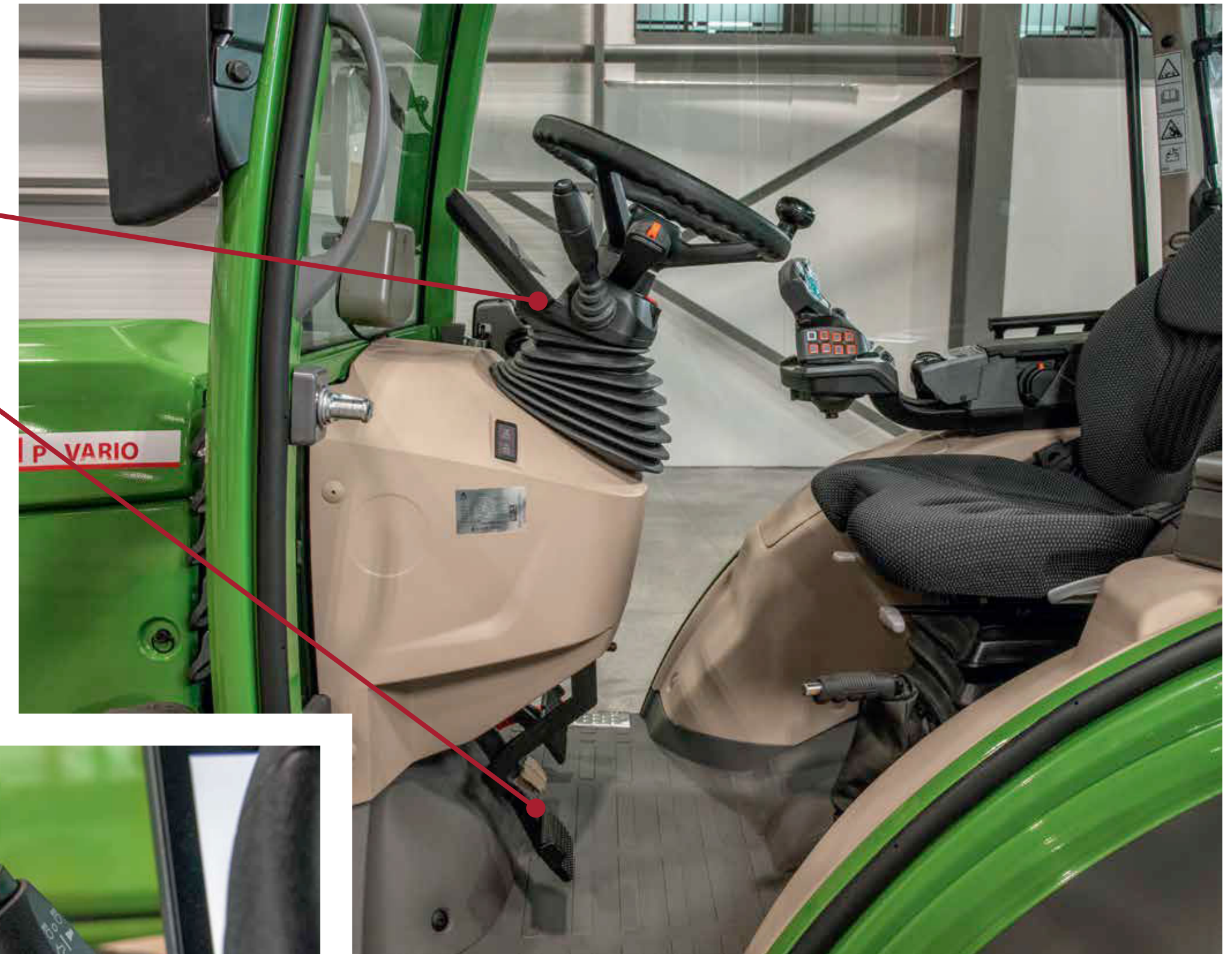
Adjustable steering wheel and cockpit.

Swivel steering column with cockpit (dashboard)

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

Specific and easy adjustment of height and tilt with foot pedal

Indicators with triple reset: steering angle, time + speed-led!



- + Perfect ergonomic adjustment
- + Perfect view while avoiding glare on the cockpit by adjusting the height and tilt
- + Passenger-car style indicators: Triple reset for increased safety and acoustic feedback
- + Easy and comfortable to get in and out – steering wheel pivots up with foot pedal action



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



Central dashboard.

Central, adjustable digital cockpit

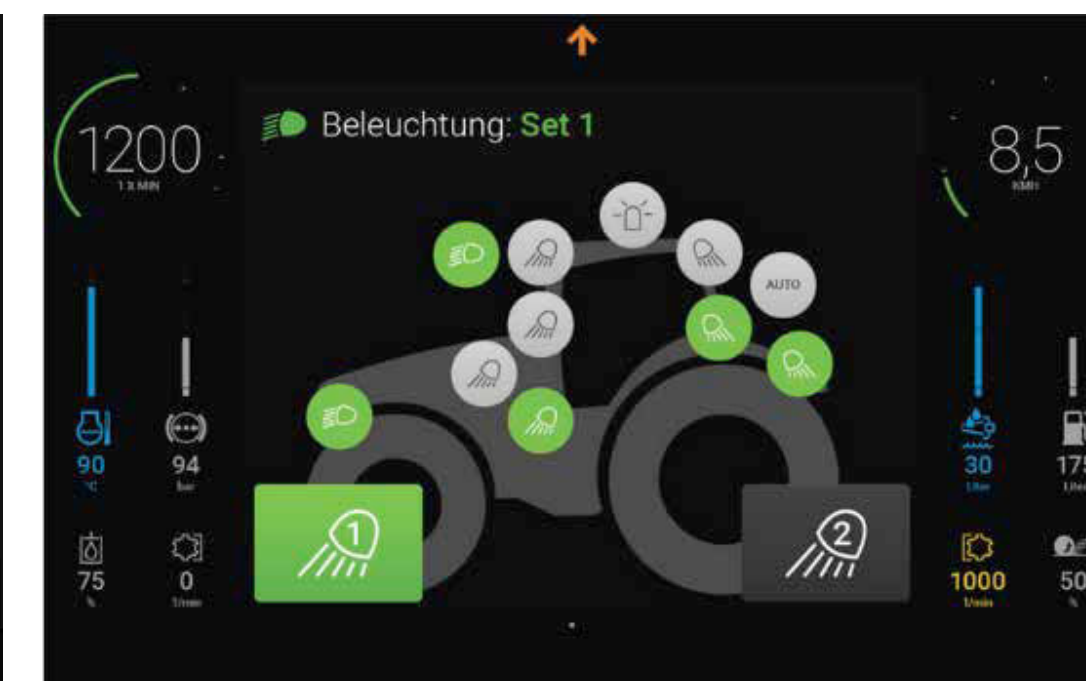
- Make settings for the digital cockpit using the pushdial on the steering column
- Swivels and extends out with the steering wheel by using the foot pedal, for easy entry and exit
- Road and field mode



Central display with key information

Header with indicator

Display in night mode



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

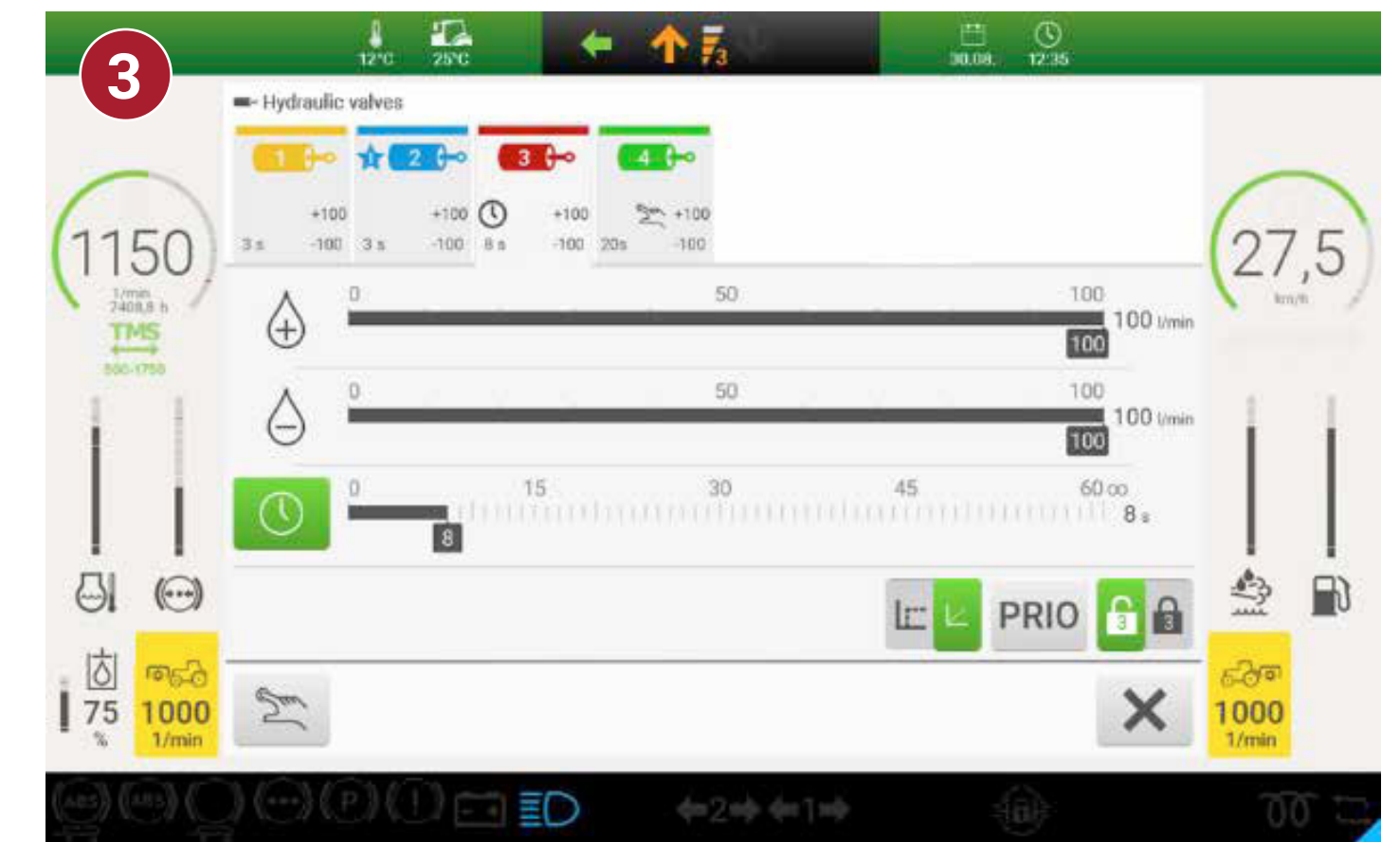
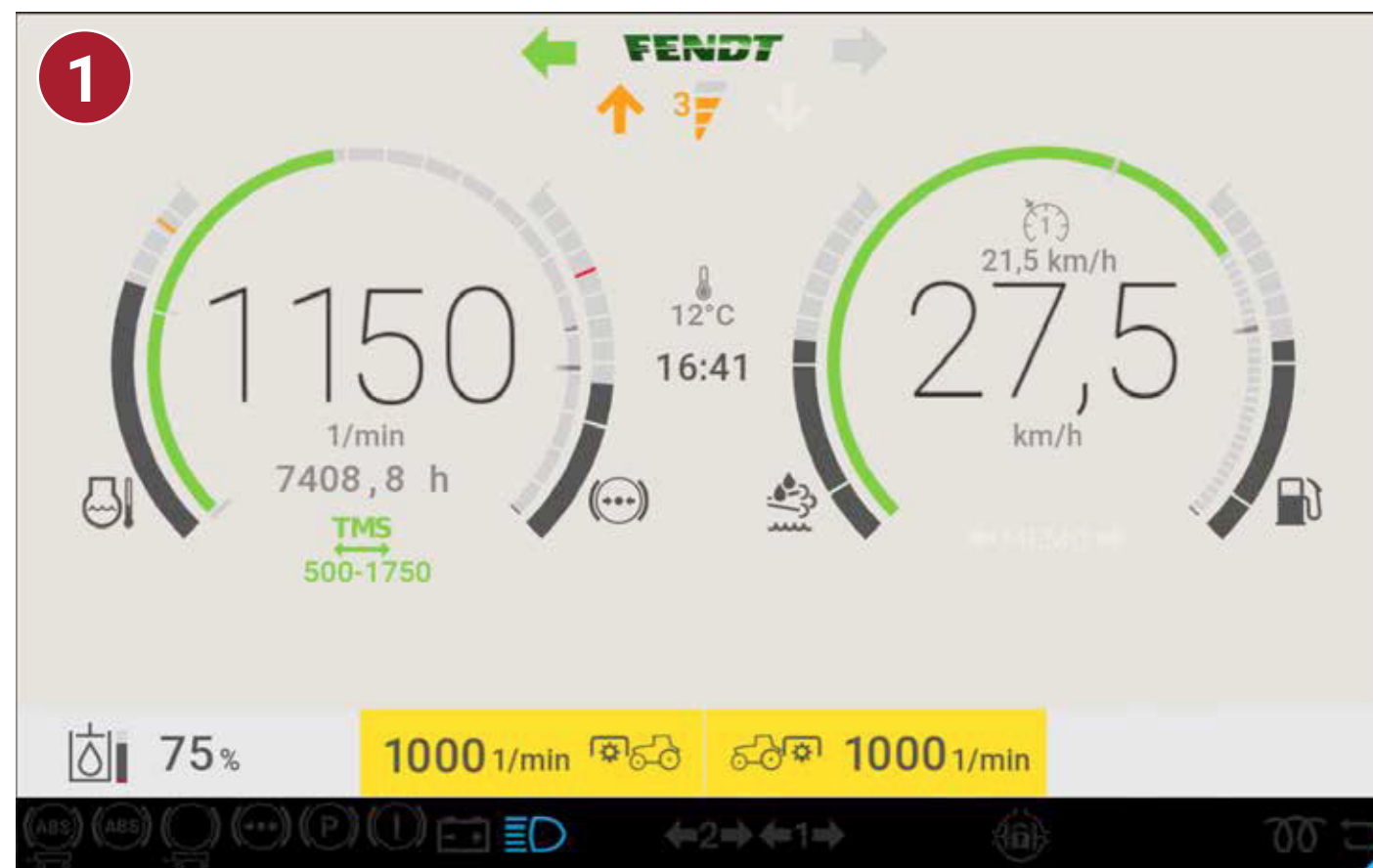
Footer with status overview

Adjustable dashboard.

Road and field mode

Settings and overview on the dashboard (versions without 12" terminal)

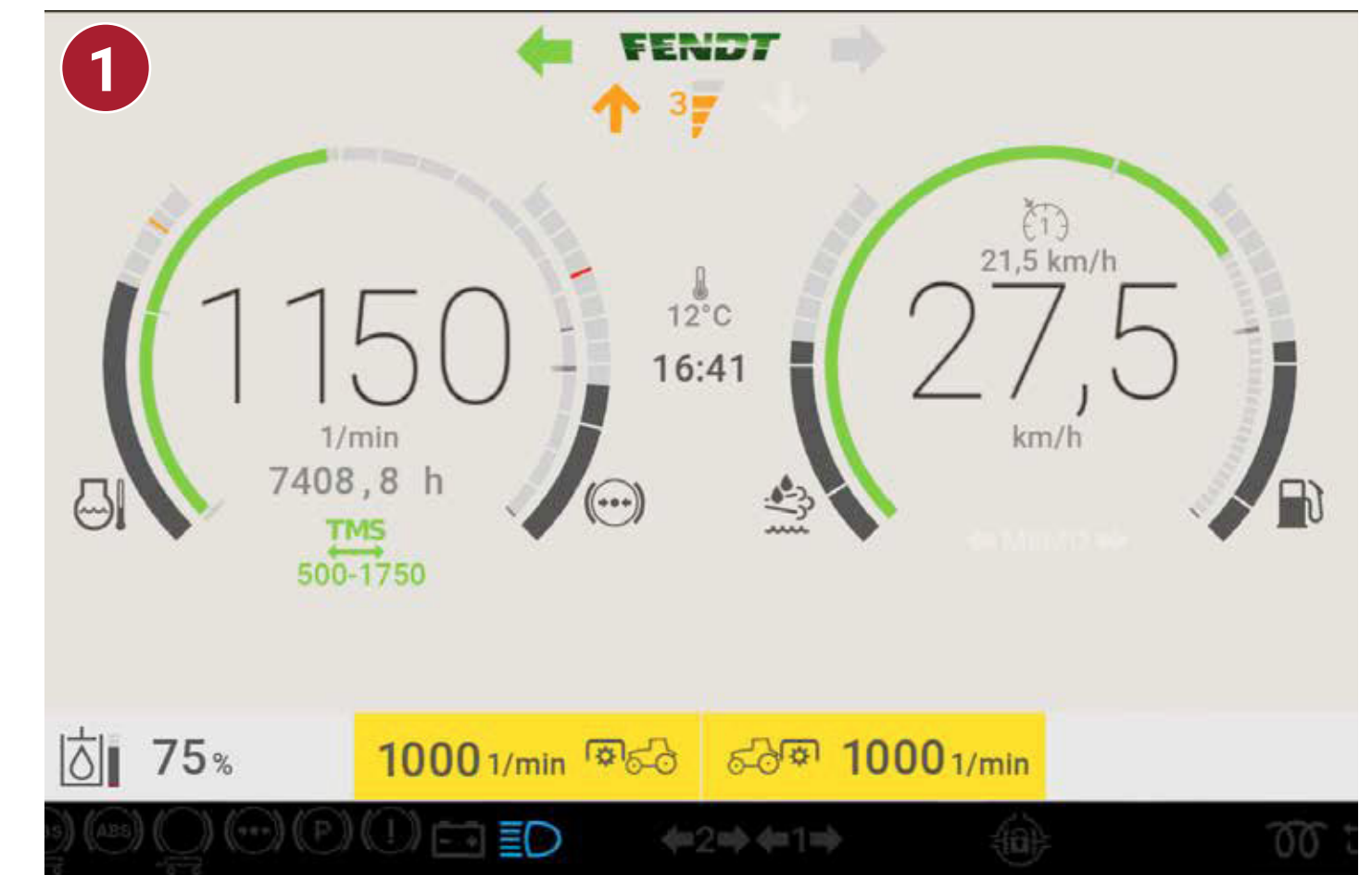
- 1 Road-use data always on display
- 2 Settings for the main groups: power lift, hydraulics, engine and transmission, onboard computer with fuel consumption gauge, ventilation, lighting, front axle suspension, valve assignment, service and diagnostics
- 3 Make settings using the pushdial on the steering column



Dashboard: Settings and navigation.

Pushdial – controls

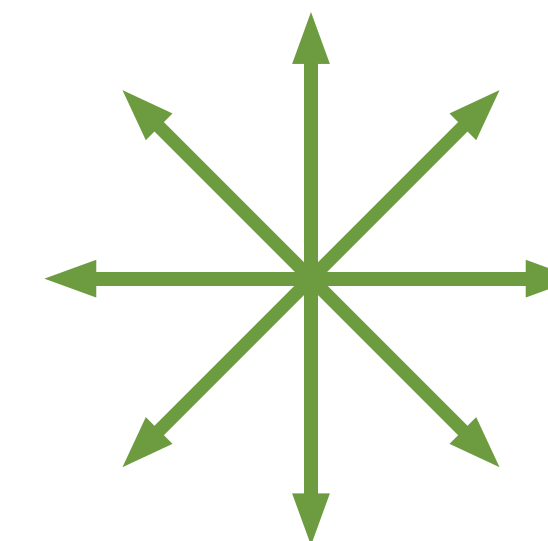
- 1 With the engine on, you see the road-mode full screen by default
- 2 To jump to the Settings menu:
 - Use the push button
 - or push the pushdial upwards.
- 3 In the menu: Turn and press



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. Onboard computer
8. Climate control
9. Lighting
10. Settings
11. Service and diagnostics
12. IOM Individual Operation Manager

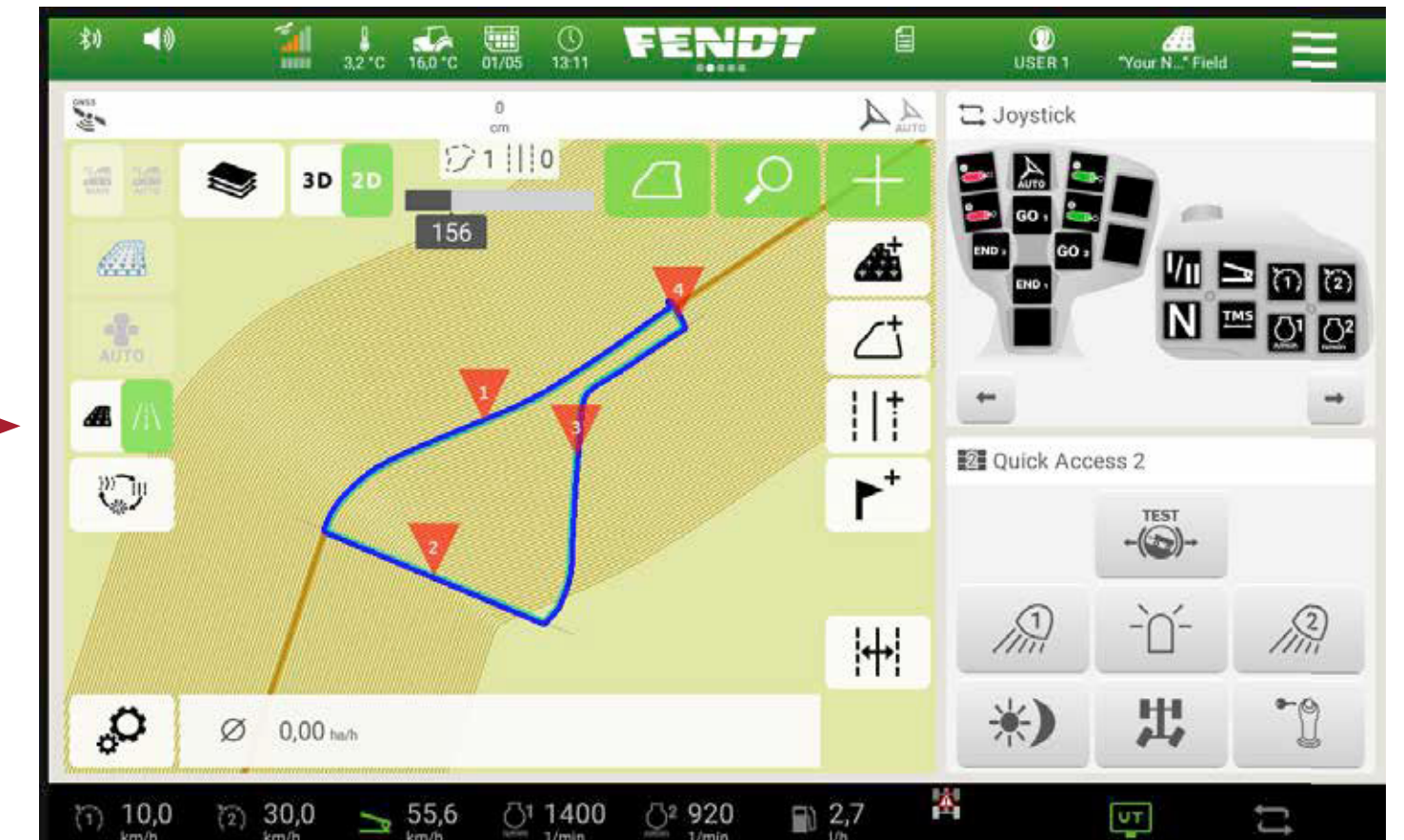
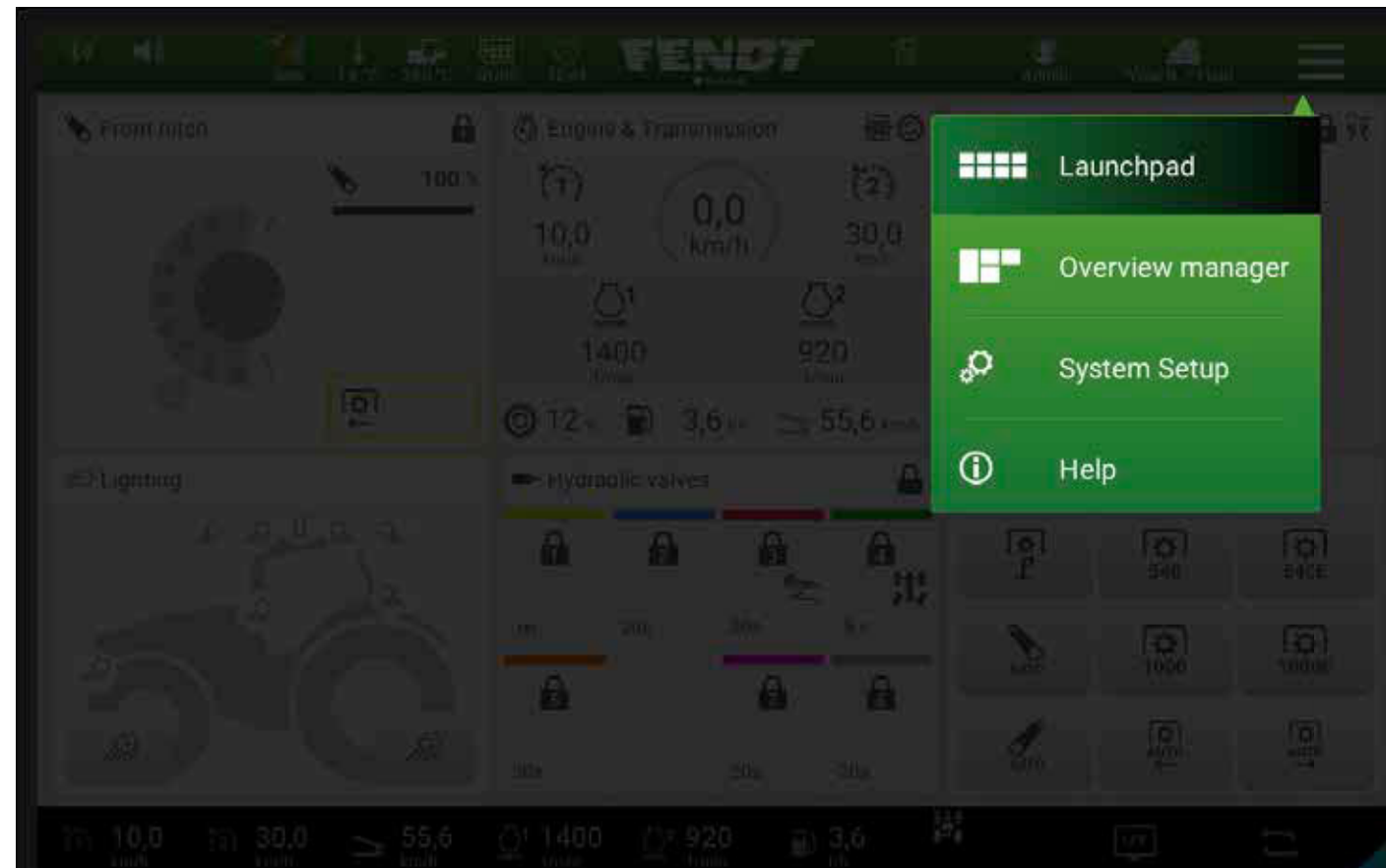


Launchpad



Overview manager control.

Overview Manager – 12" terminal



Overview Manager to edit screen pages

- More display area with up to 6 panes per page (instead of 4 panes as it was before)
- Set up to 15 screens for each work profile (formerly 'recipes'),
- Driver can choose the language and display brightness
- Intuitively edit screen pages using drag & drop

The 6 default panes can be changed as desired

- Change the different panes and pages using drag & drop

For a better overview:

- Try changing the display to 4 panes, as shown here Guidance system

FendtONE workstation controls.

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



Joystick built.

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:

Multifunction joystick – armrest buttons

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



Controls – 3L joystick.

- 3L joystick – control the hydraulics and tractor functions – ISOBUS 200* and 3 control levels
- Perfect, customised ergonomics: Up to 27 functions*, split between 3 control levels*
- ISOBUS 200** and tractor functions can be grouped on one lever.
- Built-in, extra reverse 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 on Profi/Profi+ (Setting 2)

* Available from Nov 2021. ISOBUS capability will follow from June 2021, and other functions with additional levels in Nov 2021. They will be released through a software update.

** ISOBUS 200 with max. power supply of 25 A



- + Reverse button means you no longer have to reach around e.g. on the headland
- + Fully customisable with functions that can be reassigned

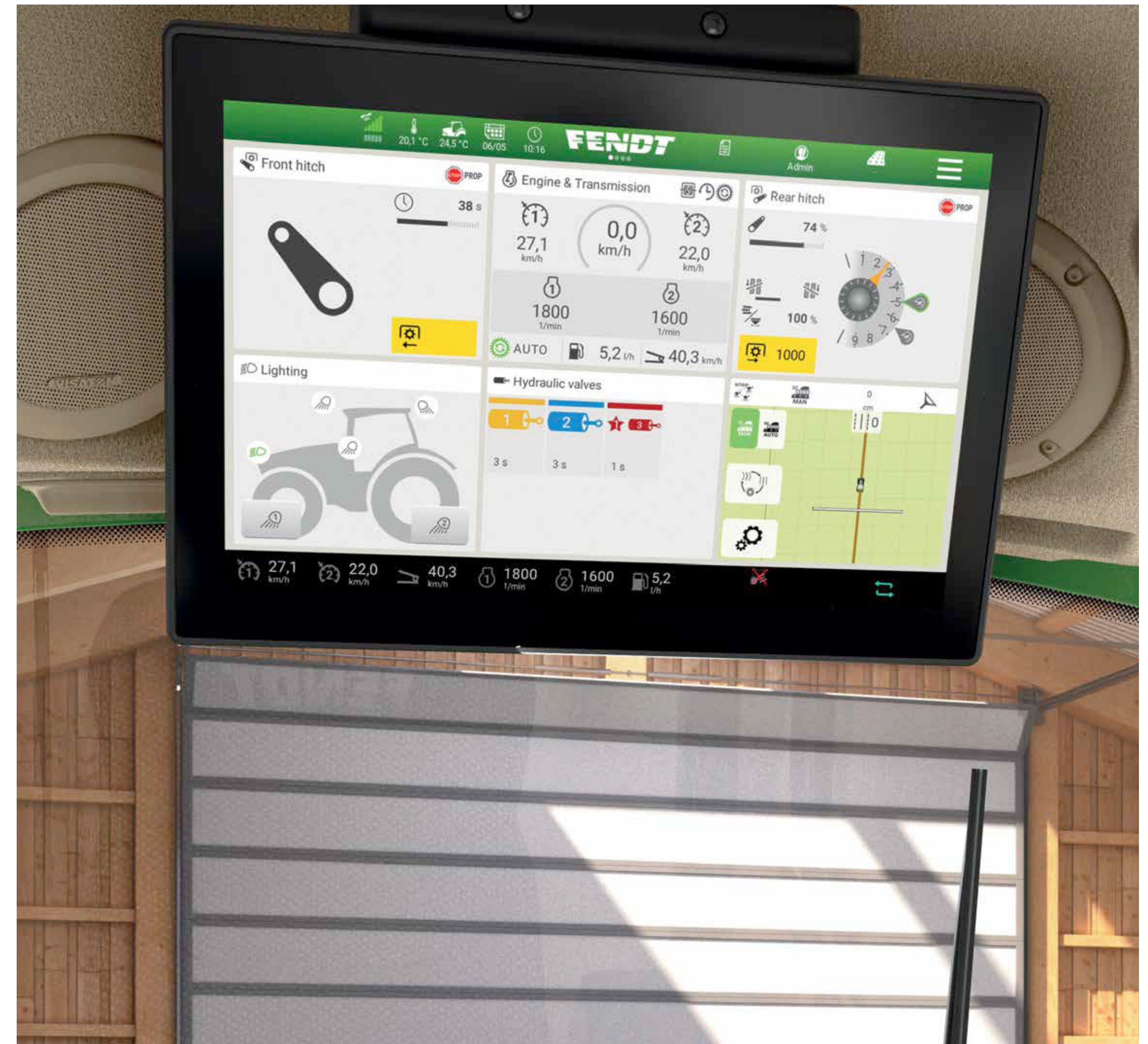


12" terminal.

12" Varioterminal

- Clear status indicator with header and footer and simple navigation
- Up to 6 freely configurable applications (panes) per page
- Create user profiles to save different views and settings for different drivers
- Can be operated by touch and pushdial
- Integrated day/night design
- Automatic dimming controls
- Tilt-adjustable terminal
- Terminal comes as standard from Profi Setting 2

- + Large display area
- + Intuitive controls
- + Flat menu structure so you can easily find features
- + Option to personalise with freely configurable pages/panes



Control buttons on the control console.

Controls on the console (keyboard)

- Function keys, colour-coded by function group

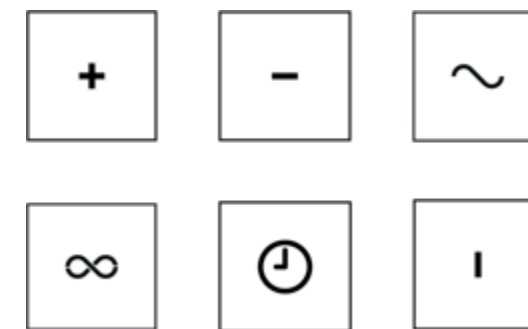


- + Quickly find your way around and avoid operating errors with a clever colour and lighting concept
- + Visual feedback when you reassign functions, helping you avoid operating errors

Use of rockers on armrest.

Rocker pairs (linear modules)

- 1 Each rocker has 5 settings:
1. Plus
 2. Minus
 3. Floating position
 - continuous mode (via terminal)
 - Time function (via terminal)



- 2 Lock and unlock each rocker separately
- 3 Lock/unlock hydraulics together



Pushdial on steering column.

Pushdial (touchpad) – navigate the dashboard and touchscreen

- ❶ 2-axle pushdial; 1 x press = OK
- ❷ Touchpad left/right: Toggle between displays
- ❸ Top/bottom touchpad: Quick access to control menu / logbook
- ❹ Air-conditioning system / ventilation (not visible)
- ❺ Toggle between views
- ❻ IOM (Individual Operation Manager)
- ❼ Quick access to control menu
- ❽ Back function

Light design

- Buttons are backlit and have a day/night mode
- LED lightring on the pushdial. Caution! Image shows the pushdial on the 300 Vario!- 200 Vario does not have Infotainment or the button on the left!



Ventilation – air conditioning. 1/2

Fan and air-con design

- Ventilation and heating design Improved air flow with 8 air vents in total:
 - 6 adjustable vents in the roof area 4x front and 2x rear
 - 2 vents at the top for the windscreen
 - Central control via dial and dashboard
 - Inside temperature indicator in the cockpit
- Climate control and air-con optional
 - Over-pressure function
 - Auto defrost
- For winter service: additional footwell heating with heat exchanger; air outlets at the pedals and 4 other air vents: 2 on the left and right of the steering column; 2 adjustable vents at the top of the steering column for the windscreen



- + Comfortable climate inside the cab
- + 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
- + Additional 4-vent footwell heating optional

Ventilation – air conditioning. 2/2

Using the ventilation – climate control

- Touch or pushdial on the 12" terminal
- Optional quick settings with pushdial on steering column
(image shows the 300 Vario – but same system on the 200 Vario)

- 1 Left/right: Fan speed min-max
- 2 Turn: Temperature up / down
- 3 Press: Activate auto mode
- 4 Long press: Defrost mode (highest temperature and highest fan setting)

- Settings on the dashboard and terminal

- 5 Air flow
- 6 Rear window heating
- 7 Fan speed
- 8 Auto mode
- 9 Defrost mode
- 10 Pressurised operation
- 11 Temperature setting



Infotainment package.

Hands-free kit

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

Radio reception

- Alternative frequency: continuous search for the same radio stations on alternative frequencies to achieve the best possible reception quality at all times
- DAB+: Seamless blending between DAB and FM radio stations
- Display of artist, title and station logo

Sound output

- 2 speakers for perfect sound in the cabin
- No interruption of audio output when starting the engine

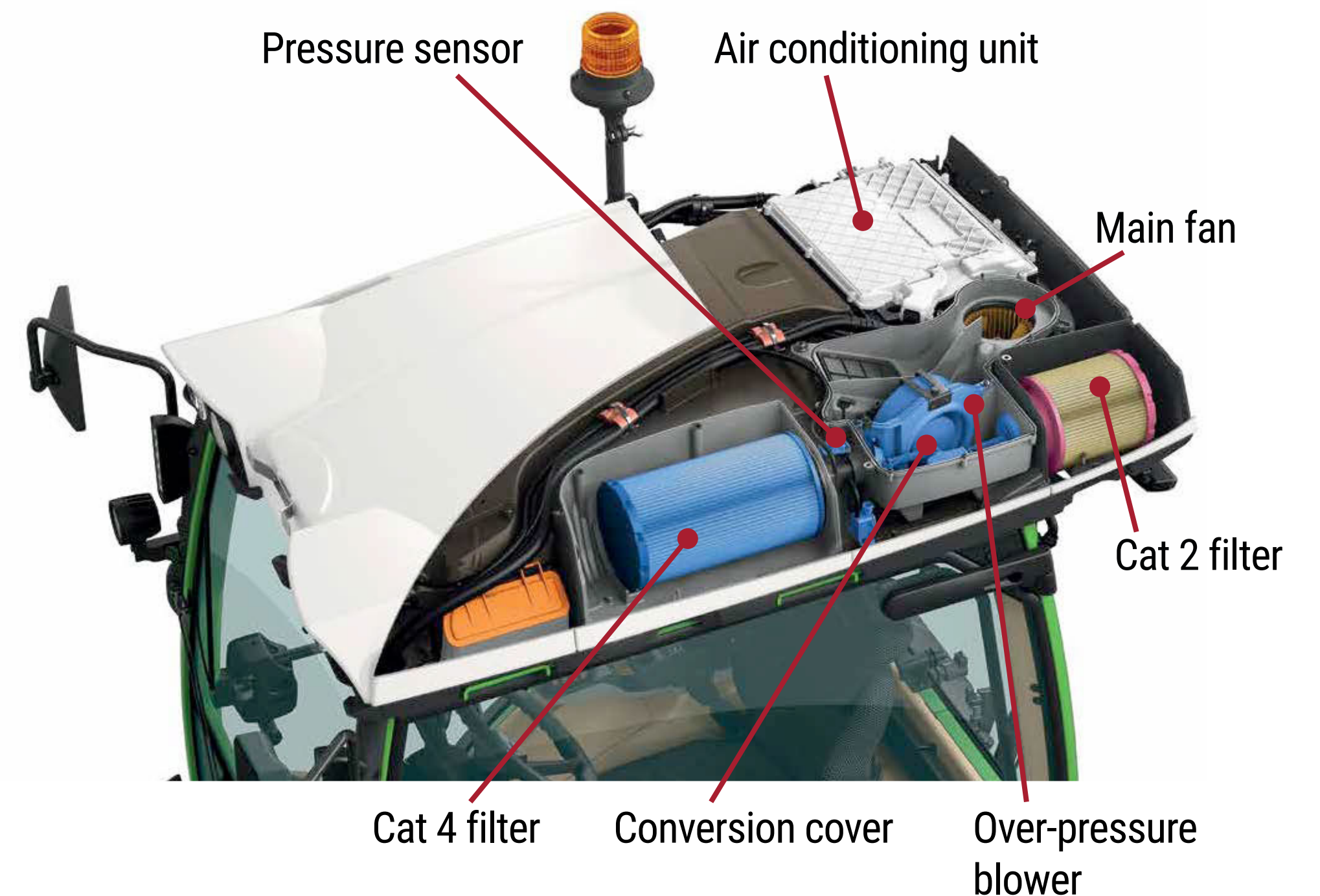
Connectivity

- Bluetooth
- USB
- AUX-IN

Cab with Cat. 4 filter protection system.

Cab optional with Cat.4 filter protection system

- New cab means the cab air filter system can be converted to protection category 4 ex works.
- In its basic setting, the cab meets all standards of protection category 2.
- 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.
- Activate the conversion cover: Cat 2 filter closes and Cat. 4 opens.
- Once the work is complete, the filter system can be easily converted back to Cat. 2 via the terminal.



- + Fendt 200 V/F Vario meets all requirements in plant protection use ex works
- + Easy to convert on the terminal

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 gets into the cab
 - Cab stays watertight (Cat 4)
 - Improved noise insulation



- + Quiet, clean and tidy workplace
- + No risk/damage from loose cables



Windscreen wipers.

- Windscreen wiper
- F/P: Section windscreen wipers
- V: Parallel wipers with integrated water nozzle
- With interval mode and continuous modes 1 and 2
- Large wiper field

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



Lighting. 1/3

Lighting

- Bihalogen headlights with light range extension
- When switching to high beam, light distribution and brightness of the dipped area remains unchanged
- Far-reaching light extends existing light cones
- Daytime running light optional to be more visible
- Up to 6 work lights front and back
- All working lights also available as LED headlights

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



Cab lighting, front and rear. 2/3

- 1 Work light on front of roof at the top (LED optional - 2,700 lumens)
- 2 Auxiliary headlights
- 3 Clearance lights and indicators
- 4 Work lights – A-pillar (LED optional - 2,700 lumens)
- 5 Daylight running light
- 6 Bi-halogen headlights
- 7 roof worklight on outside rear (LED optional - 2,700 lumens)



Lighting – controls. 3/3

Controls

- Settings in Lighting menu on the dashboard
- Lighting controls all together in one place

- 1 2 programmable lighting modes
- 2 Coming-home option – adjustable timer

- + Easy controls on dashboard
- + Simple and intuitive controls for all the lights without repositioning
- + Turn pre-selected working lights on/off quickly and easily



FendtONE workstation comparison.

Overview

Operating philosophy

Equipment ranges



FendtONE controls compared.

Old/new comparison



Old driver's workstation

- Multiple control points



FendtONE driver's workstation

- + Reassignable function groups
- + All control units centralised
- + Simple menu structure with 2 operating levels on the terminal
- + Customise your entire workplace

FendtONE controls compared.

More customisable controls – adapt to your own work processes

News

- All controls are assigned to a specific functional group by default
- Control the hydraulics, power lift, cruise control, etc.
- You can reassign only a few functions, to defined keys

FendtONE

- First alternative to the fixed assignment of function groups
- Individual Operation Manager
 - all buttons can be customised in the IOM on the terminal

You can assign which buttons control what:

- Drive train
- PTO
- Hydraulics
- ISOBUS
- Comfort functions (lighting, front axle suspension, etc.)

FendtONE operating concept.

More customisable controls – adapt to your own work processes

FendtONE solution

You can assign control points to

- Tractor functions
- ISOBUS functions
- TeachIn functions

for the first time

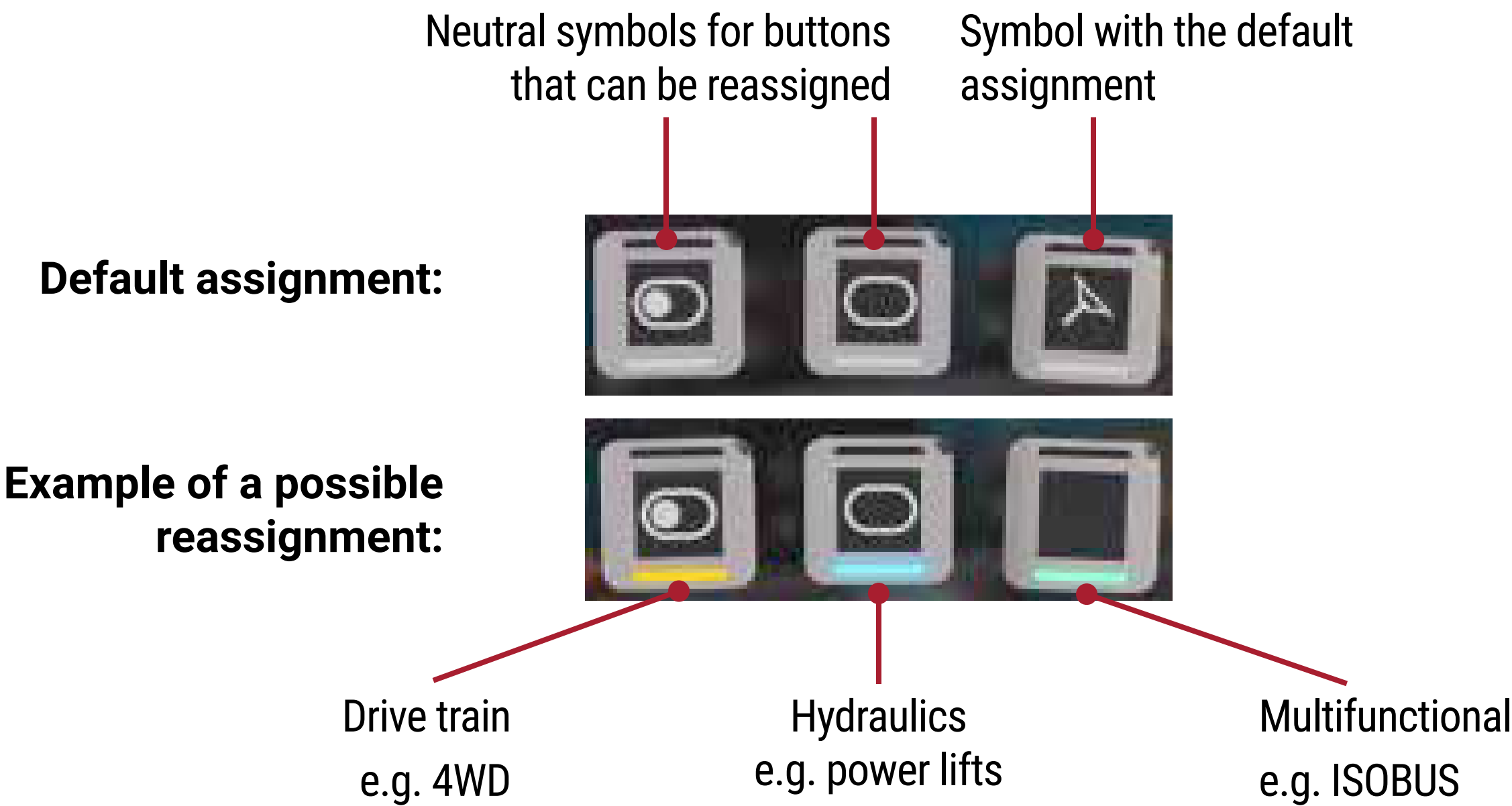
- Reassign buttons in the IOM (Individual Operation Manager) menu



FendtONE operating concept.

Additional safety in operation

News	When you reassign functions, there is no visual feedback at the control point / at the button.
FendtONE	Symbols on the buttons can be deactivated when reassigned. If the function of the button does match the symbol, the symbol disappears.



Controls, display areas.

Expanded display areas to show relevant functions

News

- Central control cockpit
- All settings on the central screen



FendtONE

- Digital 10" dashboard for central display
- Additional 12" display option
 - with terminal in the roof liner
- Central Display Control Unit (DCU)
 - combines dashboard and terminal displays
 - no standalone terminals

FendtONE Core Arguments.

Core arguments - unique selling propositions

Freely programmable control panel - the first on the market	Unique colour concept for a better overview	Extension of the display area - terminal network	The only consistent operating philosophy on the market
• Free assignment of the keys and • Individualization via Individual Operation Manager (IOM)	• Logical and dynamic colour concept • with different function groups and functions provides an optimal overview.	• First operating concept on the market with terminal network and central computer unit ex works. • Real-time synchronization of content on all terminals	• First holistic operating approach on the market by FendtONE. • No switching between different media.

FendtONE summary.



➤ 1. Bigger display area

- **Digital 10" dashboard:** Flexible display of key data like the onboard computer or button assignment
- **12" terminal in the roof liner:** show specific tractor operation stats, lane guidance, ISOBUS implements, etc.

➤ 3. Customisable

- Create user profiles to save different settings for different drivers
- Assign admin rights
- Assign buttons to the controls you want. Visual feedback to avoid user errors
- Display areas can be personalised

➤ 5. Future-proof

- Large memory capacity
- More interfaces
- High level of connectivity

➤ 2. More control options

- Multifunction joystick – more buttons ready to be assigned (including ISOBUS)
- 3L joystick – up to 27 features split over three control levels (including ISOBUS functions)
- No extra controls required (terminals, joysticks)

➤ 4. Simple operation

- All the controls in one place
- Intuitive use (similar to smartphones and tablets)
- Flat menu structure so you can easily find features
- Colour-coded functional groups
- Proportional power lift control
- Proportional control of hydraulic valves on the multifunction joystick
- Plain-text messages

Power equipment line.

Power model:

You can opt between 2 different settings for each equipment variant.
Power models come in Setting 2 configuration only.

Power Setting 2

- Crossgate lever
- No linear module (rocker pair)



200 V/F/P Vario – cab

Profi equipment features.

FENDT

fendt.com | Fendt is a worldwide brand of AGCO.

PROFI

Profi version: Setting 1 / Setting 2:

Images also show optional accessories.

Profi Setting 1

- Crossgate lever
- 2 linear modules (rocker pair) to control hydraulic valves



Profi Setting 2

- 3L joystick
- 2 linear modules (rocker pair) to control hydraulic valves
- 12" terminal



200 V/F/P Vario – cab

Profi+ equipment features.

FENDT

fendt.com | Fendt is a worldwide brand of AGCO.

PROFI+

Profi version: Setting 1 / Setting 2:

The images also show optional accessories.

Profi+ Setting 1

- Crossgate lever
- 2 linear modules (rocker pair) to control hydraulic valves
- 12" terminal



Profi+ Setting 2

- 3L joystick
- 2 linear modules (rocker pair) to control hydraulic valves
- 12" terminal



200 V/F/P Vario – build

Build – frame.

FENDT

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Modular design with slender frame

Build/ chassis

Suspension systems

Steering

Assist systems

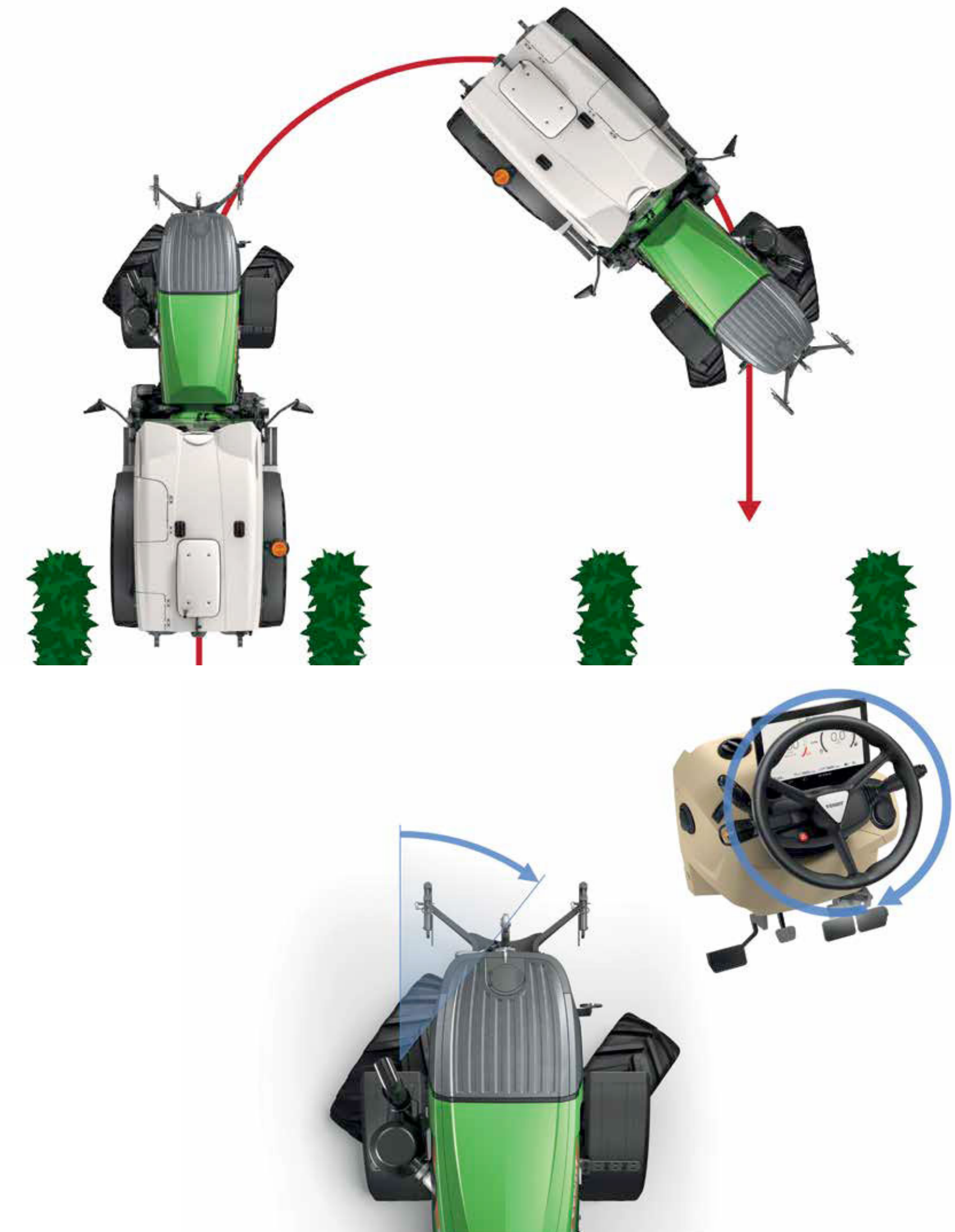
Ballasting



Modular design with slender frame. 1/2

Design

- 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 ProfiPlus equipment)
- Benefits of use: Halves steering wheel rotations at the headland or during front loading work
- Button-activated: same steering valve as Fendt Guide
- Tractor drives with activated superimposed steering system up to max. 25 km/h.
 - no restrictions up to 8 km/h
 - from 8 to 18 km/h there is a linear reduction in the superimposed steering



Without FendtActive

1 turn
= 26.6°

With FendtActive

1 turn
= 43.3°



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
- Advantage: vehicles behind can respond more quickly.

Deceleration assistant when driving with equipment attached:

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

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



Ballasting.

Ballasting concept

Ballasting V/F: Front:

- Without front linkage: Front axle weight 60 kg + max. 3 hook-in weights 32 kg

With front linkage - mounting on attachment plate of the front linkage:

- Load weight 165 kg
- Load weight 285 kg
- Load weight 400 kg

Wheel weights 125 kg/pair (62.5 kg/wheel) Ballasting P: Front:

- Front axle weight 23 kg (standard)
- Without front linkage: mounting plate 120 kg + max. 3 hook-in weights 32 kg
- For front linkage: Load weight 400 kg for front or rear attachment
- Wheel weights 125 kg/pair (62.5 kg/wheel)

- + Variable ballasting options
- + The optimum weight for every application
- + As much traction as possible, as little weight as necessary
- + Improved traction
- + Compensation of axle load distribution for heavy attachments

Front mounting plate
(without front linkage) 120 kg

- up to 3 plates

- up to 10 suspension weights 32 kg

Front / rear weight: 400 kg

Wheel weights (rear): 2 x 125 kg



200 V/F/P Vario – axles

Axles.

FENDT

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Front axle

4WD

Differential lock

Front axle suspension

Rear axle / brakes

Four-wheel brake / compressed air

Trailer systems



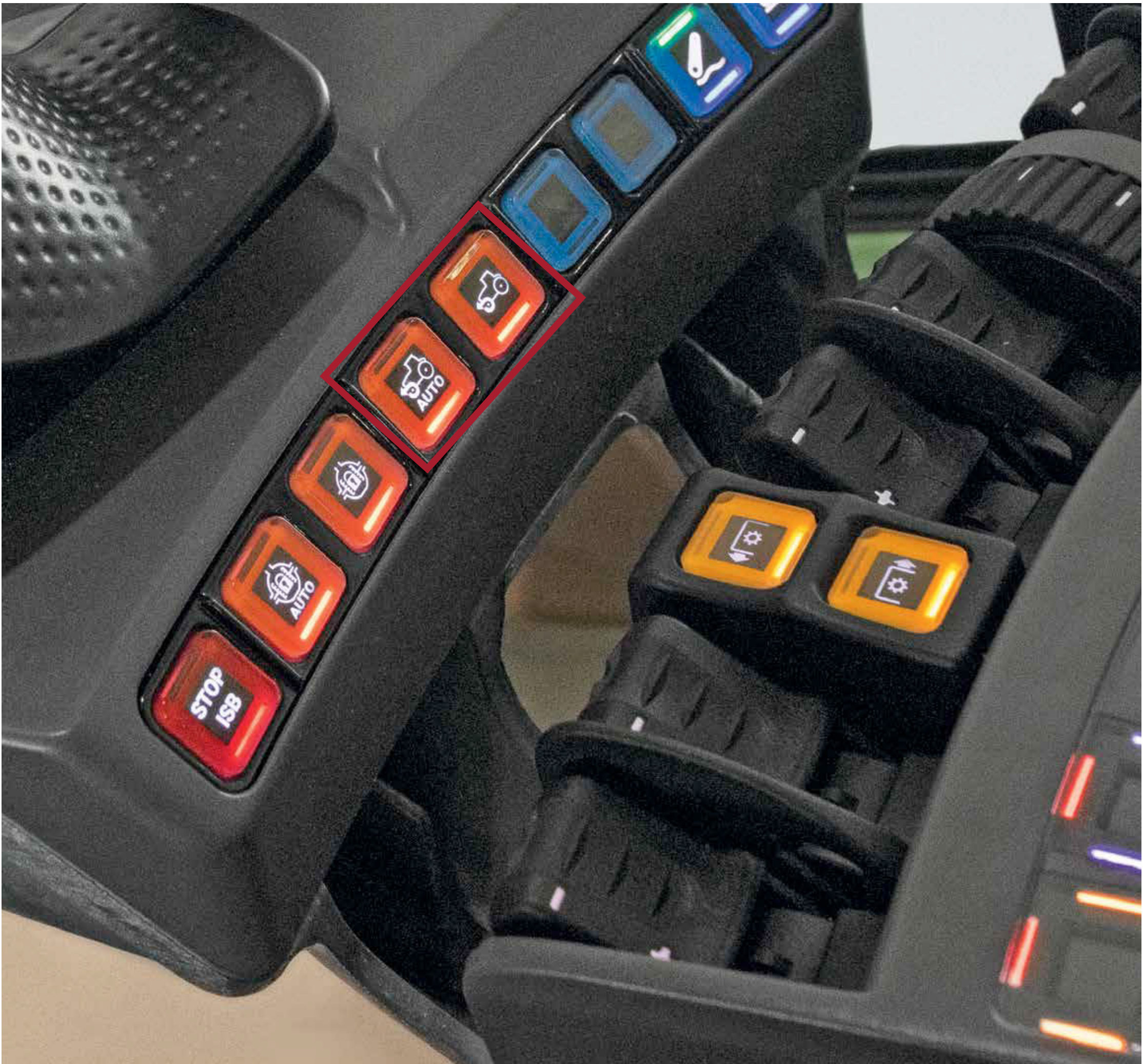
Front axle – all-wheel management.

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

- Easy control with pushbuttons on the control panel:
 - Auto 4WD
 - 100% fixed 4WD

	Role	Practical benefit
4WD	AWD always on	Full powertrain function
	Auto 4WD (with front suspension) 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, electrohydraulically actuated disc coupling
- + Excellent ease of use
- + High powertrain function – 100% powershift
- + 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



Front axle – differential locks.

Intelligent differential lock management

- Comfort 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
- + Increased traction resulting in excellent power transfer
- + Increased safety on the slopes with 100% lock on the 200 V/F Vario
- + Best manoeuvrability and gentle on the tractor at the headland with auto differential lock

	Role	Practical benefit
Differential locks	Locomatic (200 P) 100% disc differential lock (V/F)	Full power transfer, even in extreme situations (100% V/F lock)
	Auto differential lock Disable/enable from 20 km/h - from 12° steering angle - when braking	> Takes the strain off the driver > Easy turns without distortion > Higher traction transfer

Front-axle suspension with anti-roll support. 1/2

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

- Self-levelling front axle suspension: 80 mm suspension travel increases area coverage by up to 7% with continuous 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
- Acceleration forces on the seat reduced by 27%*. This means less acceleration on the driver and a quiet and relaxed working environment
- 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

Nitrogen shock absorbers

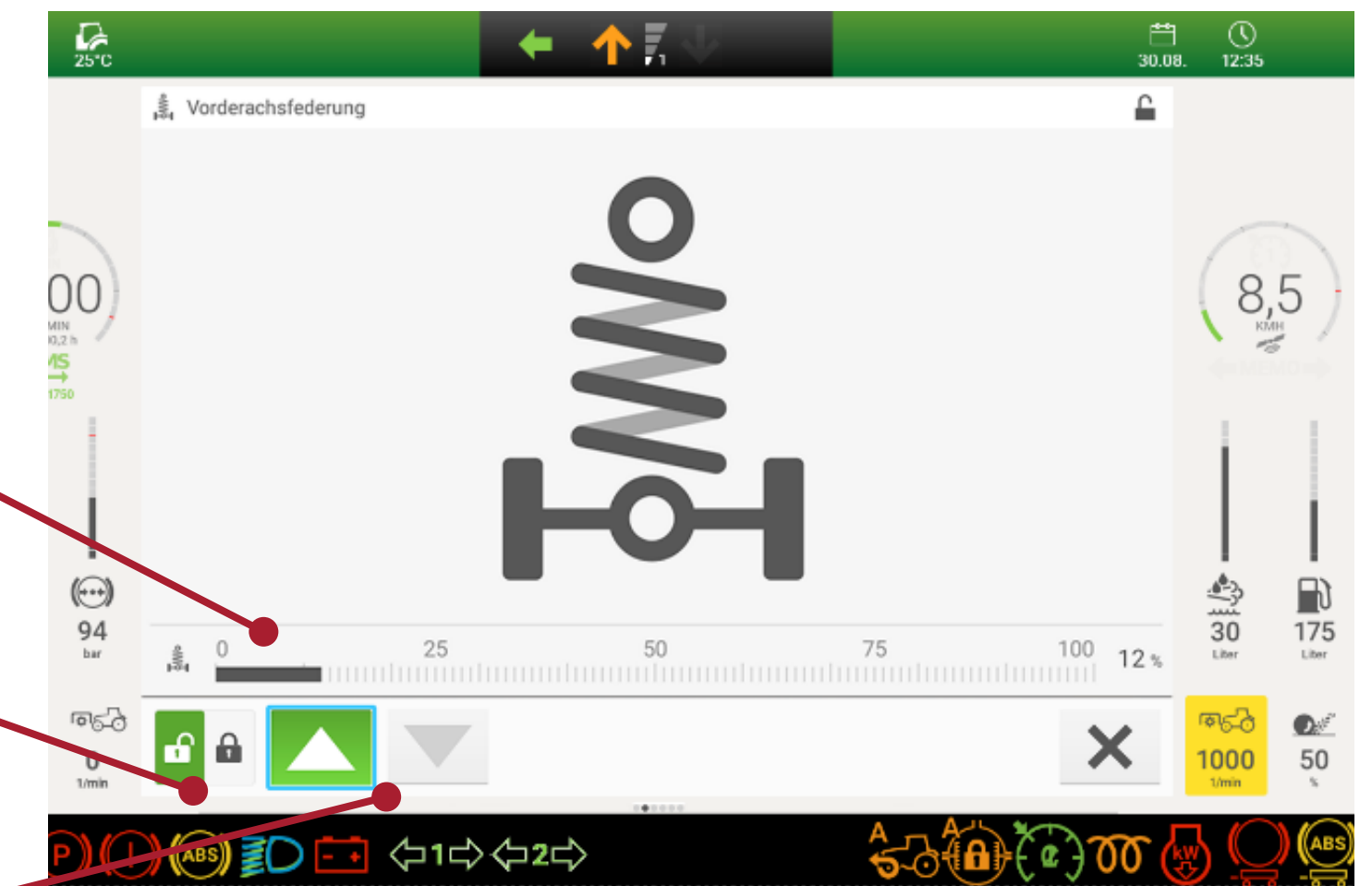
Activate and lock suspension



Front axle position

Activate and lock suspension

Lift/lower suspension



Front axle suspension – in practice. 2/2

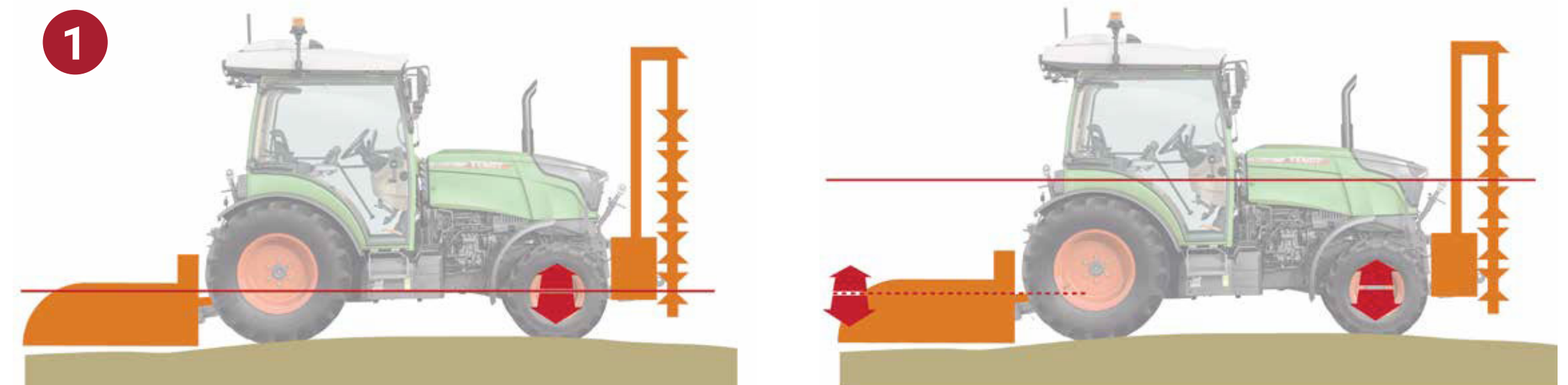
Fendt front axle suspension in independent DLG Focus Test (11/05)

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:
 - Consistent working height and side inclination
 - Calm work environment without constantly having to compensate.



Benefits.

Front axle suspension with anti-roll control – benefits

- + Up to 7% greater area coverage under heavy traction with continuous traction and avoids power hopping
- + Unique work and driving comfort
- + Acceleration forces on the seat reduced by 27%*. This means less acceleration on the driver for a calm and relaxed working environment
- + e.g. For foliage cutting, the self-levelling suspension with anti-roll control always provides sensitive cushioning on uneven ground. Benefit: Consistent working height and side inclination
- + Anti-roll control support for high stability and work safety with reduced rocking movements
- + Work very safely with better steering and brake safety
- + Lock function
- + High maximum spring-loaded axle load

* DLG Focus Test 11/05



Rear axle design.

Design

- Rear axle HA 70 with forced feed lubrication
- Increased permissible rear axle load of 4.0 t (P) 3.2 t (V/F)
- 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
- + Robust design with planetary rear axle
- + High permissible total weight of 4.8 t (V/F) and 5.6 t (P)
- + Sturdy design

Axle loads with standard tyres

Rear axle

Front axle

Tracks

Max. permissible axle load

200 P: + 300 kg: 4,000 kg
200 V/F: + 300 kg: 3,200 kg
200 V/F: + 150 kg: 2,300 kg
200 P: + 200 kg: 2,800 kg

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

Handbrake

- Dry drum brake on drive shaft for a 4.8 t permissible overall weight (V/F) and 5.6 t (P)
- 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:
- Compressed air brake with air dryer
- 2-line hydraulic trailer brake

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



Fendt Smart Farming.

Equipment variants

Fendt Guide

Fendt Contour Assistant

Fendt SectionControl

Fendt VariableRateControl

Task Doc

Fendt TI headland management system

ISOBUS 200

Agrirouter

Smart Farming Module



Smart Farming – configurations.

	Power	Profi	Profi+
Hardware & GNSS			
Terminal in roof		Optional 12"	12"
Compatible GNSS receiver			NovAtel, Trimble
Correction services			Autonom, 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 SectionControl			Optional
Fendt VariableRateControl			Optional
Fendt TI Headland			Optional
Fendt Task Doc Pro			Standard
Fendt Contour Assistant			Optional

Guidance - 2 receivers to choose from.

Fendt Guide with new receivers

- 2 different GNSS receivers possible:
 - NovAtel Receiver - SMART7
 - Trimble Receiver
- Customer can select which receiver best suits their needs
- Protected installation
- With Quick Start tracking options in the Lines section, NovAtel receivers are preselected in the machine configuration



Trimble Receiver



NovAtel Receiver

- + Correction services or accuracy levels can be upgraded at any time
- + Vehicle can be equipped as required
- + Low-cost NovAtel receiver already offers full RTK capability
- + Additional technologies available with Trimble Receiver
- + Protected installation



Guidance System – Fendt Guide.

2 receivers – features



Correction service	NovAtel SMART7	Trimble	Lane-to-lane 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		Yes ¹	± 15 cm	± 50 cm
CenterPoint RTX		Yes ²	± 4 cm	± 4 cm
CenterPoint RTX fast		Yes ²	± 4 cm	± 4 cm
RTK (NTRIP)	Yes ³	Yes ³	± 2 cm	± 2 cm
RTK (Radio)	Yes	Yes ⁴	± 2 cm	± 2 cm
RTK (Trimble network)		Yes ⁴	± 2 cm	± 2 cm
RTK bridging mechanism	Steadyline RTK Assist ¹	xFill/ xFill Premium ¹		

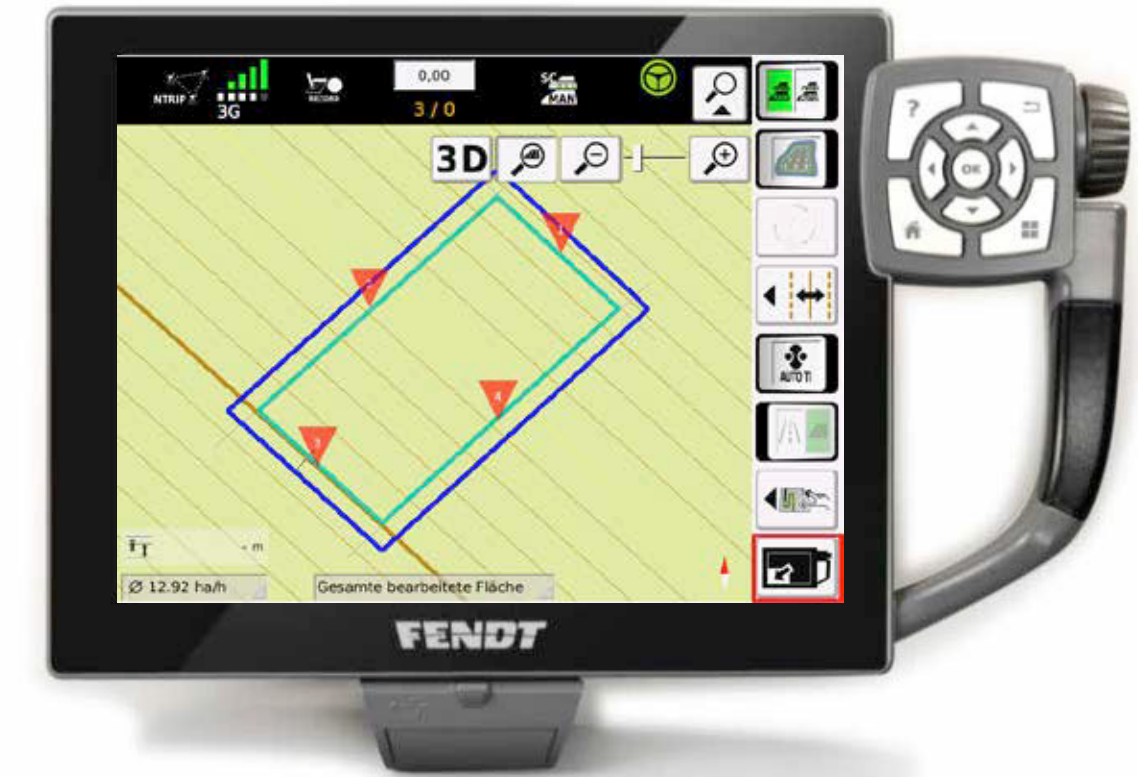
¹: Licence required / ²: Licence required / ³: SIM card and licence required / ⁴: Additional hardware required. Consent from Trimble base stations operator required.

Guidance System – Fendt Contour Assistant. (1/2)

Fendt Contour Assistant – Contour Segments

- **Fendt Contour Assistant adds Contour Segments and Single Track wayline types to the existing types**
- 3 options for creating Contour Segments:
 - 1: Recording contour segments
 - 2: Automatic calculation based on existing field boundaries
 - 3: Creation of contour segments from existing waylines
- After setup, Fendt Guide automatically selects the right segment according to 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 processing by automatically switching to the best wayline
- + You can set one segment as the processing direction, 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

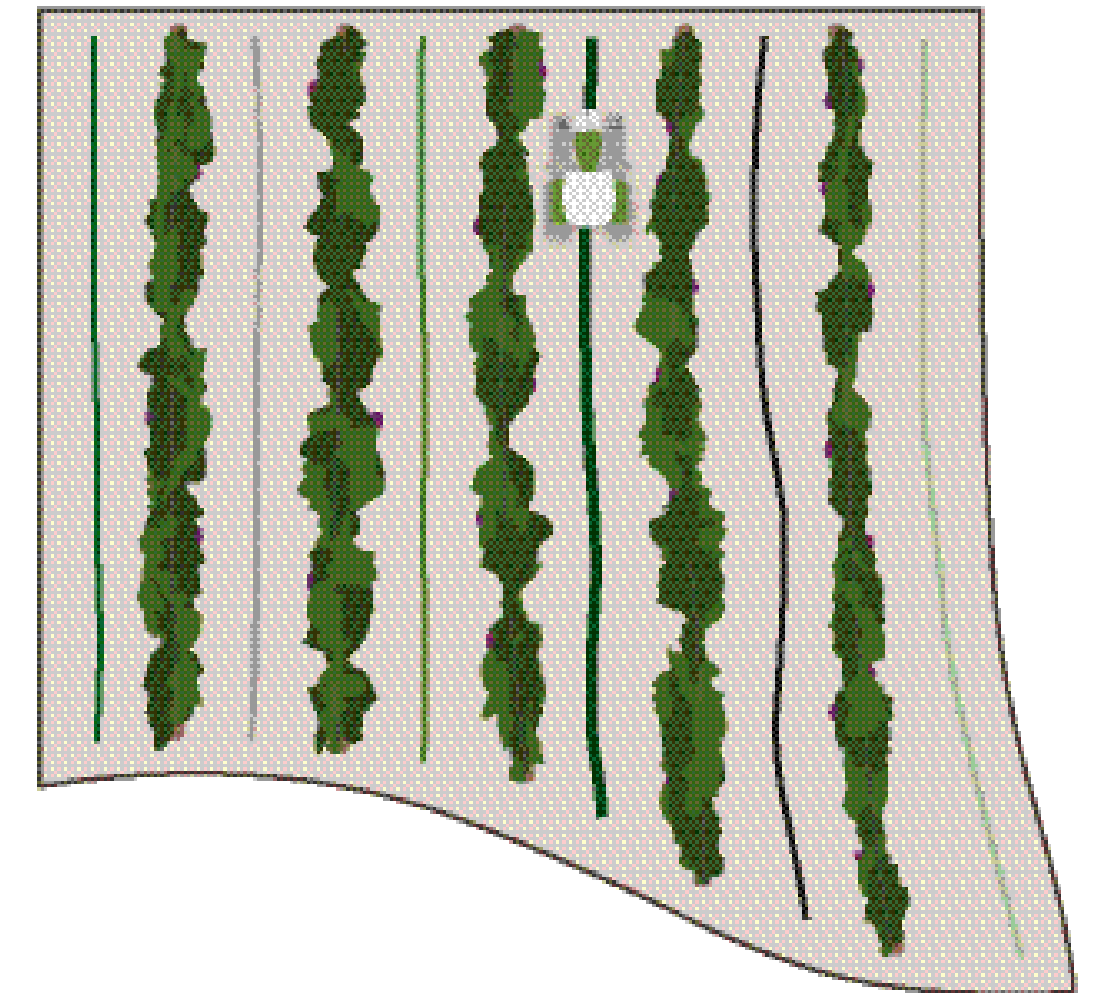


Important: Screenshot shows Fendt Contour Assistant Single Track still in the old 10" terminal – new screenshots in progress!

Guidance System – Fendt Contour Assistant. (2/2)

Fendt Contour Assistant – Single Track

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



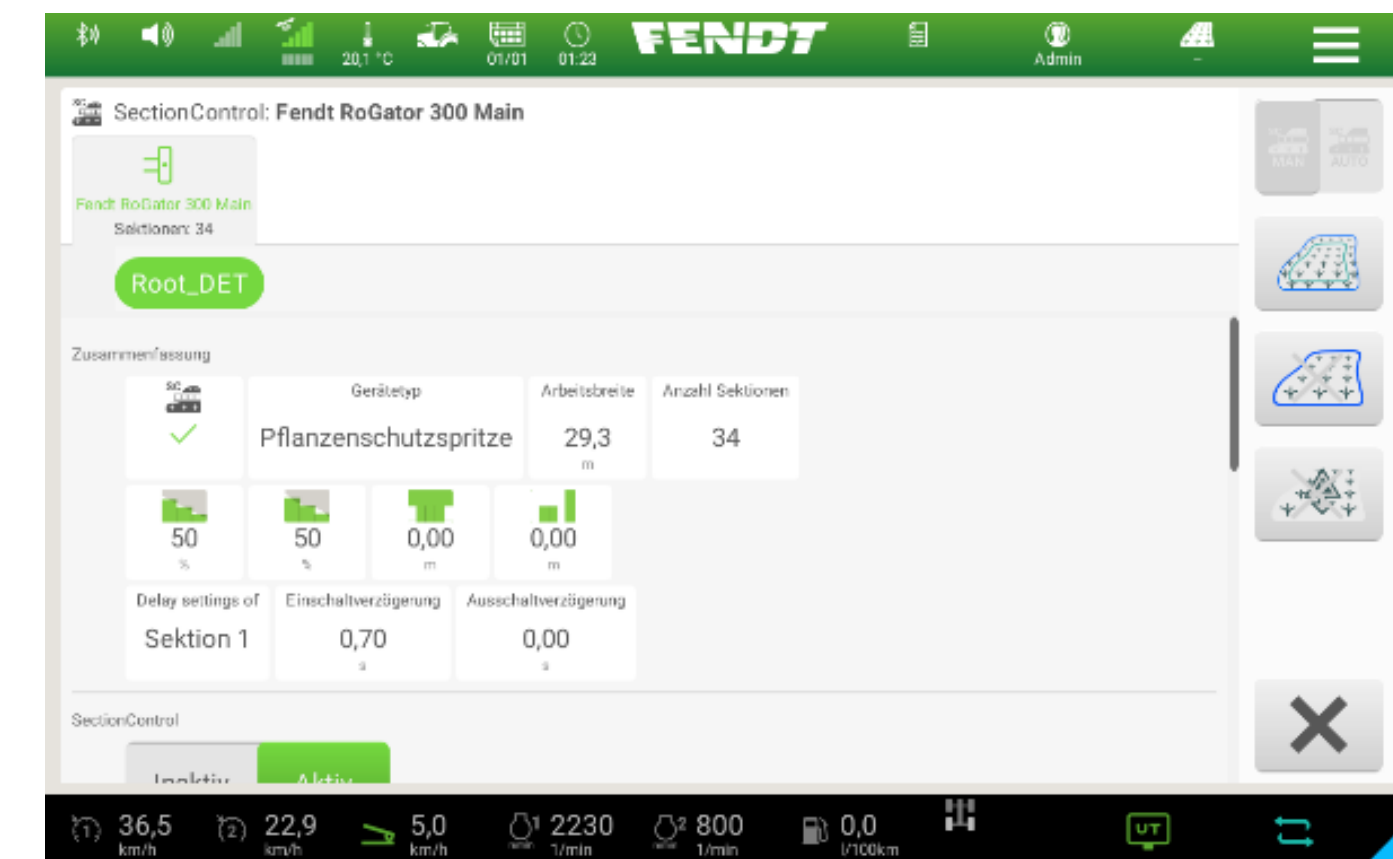
Important: Screenshot shows Fendt Contour Assistant Single Track still in the old 10" terminal – new screenshots in progress!

- + Steering system can also be used for crops which have not been planted using this system
- + Tractor can work the entire field based on one recorded track
- + Automatic turning improves results and makes work easier
- + 100% focus on the crop
- + Obstacles taken into account

Fendt Guide – Fendt SectionControl. (1/2)

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 36 section widths



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

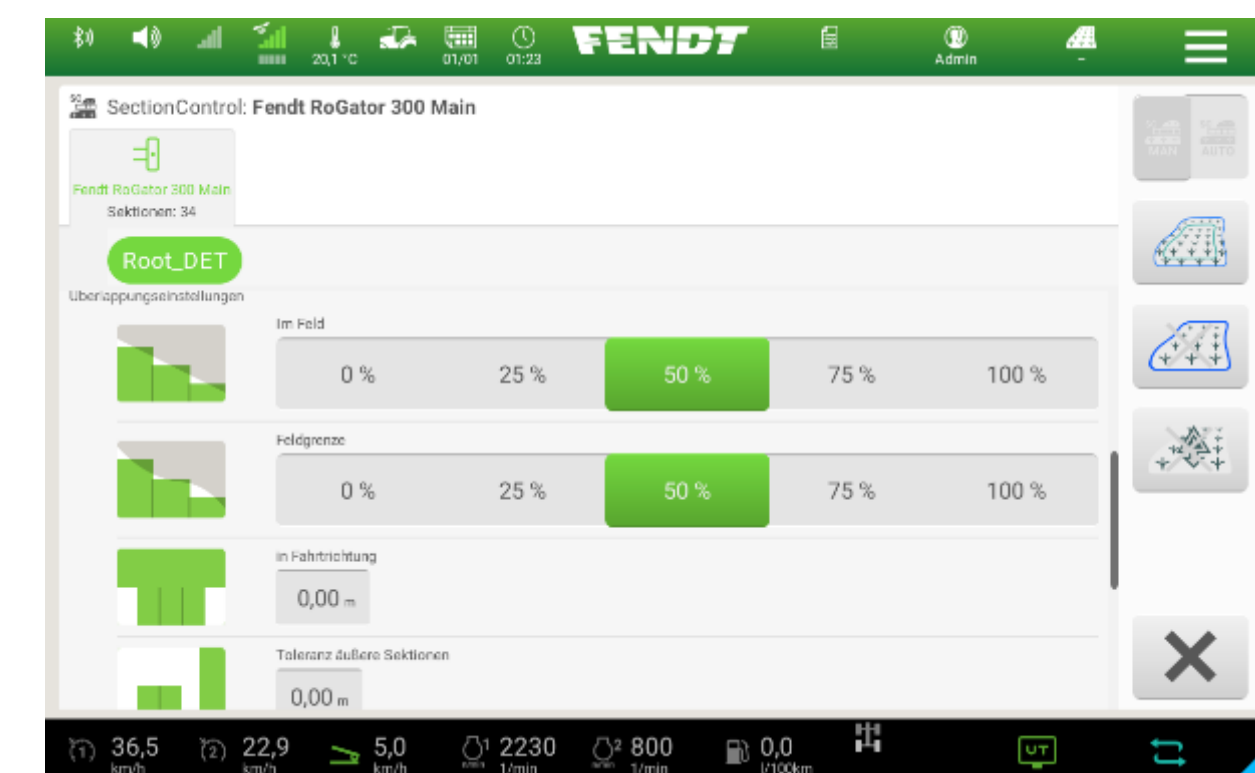
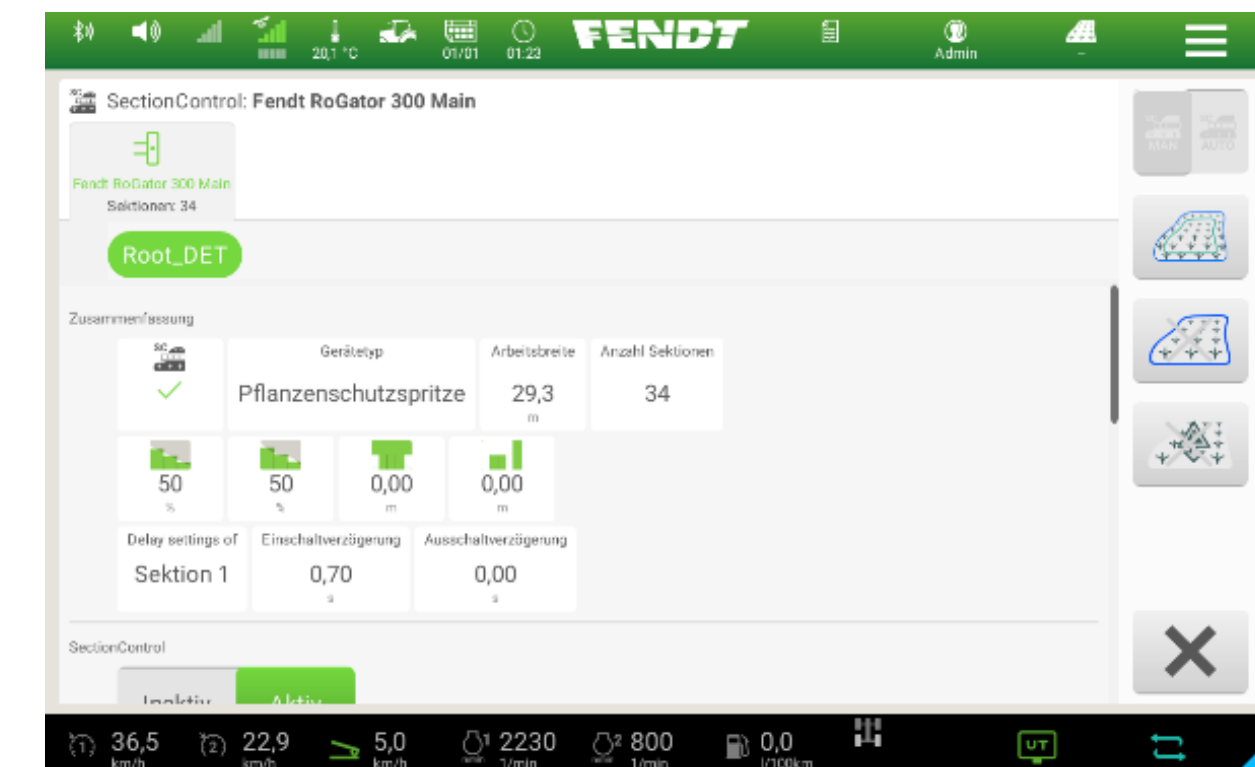


Fendt SectionControl with Assistant. (2/2)

Fendt SectionControl Assistant

- With Fendt SectionControl Assistant, you can quickly adapt SectionControl-compatible attachments to the on/off delay
- Quickly optimise power on/off times
- Missed sections and duplicate work are effectively avoided
- SC Assistant guides the driver step-by-step through all necessary entries
- SectionControl Assistant built-in

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

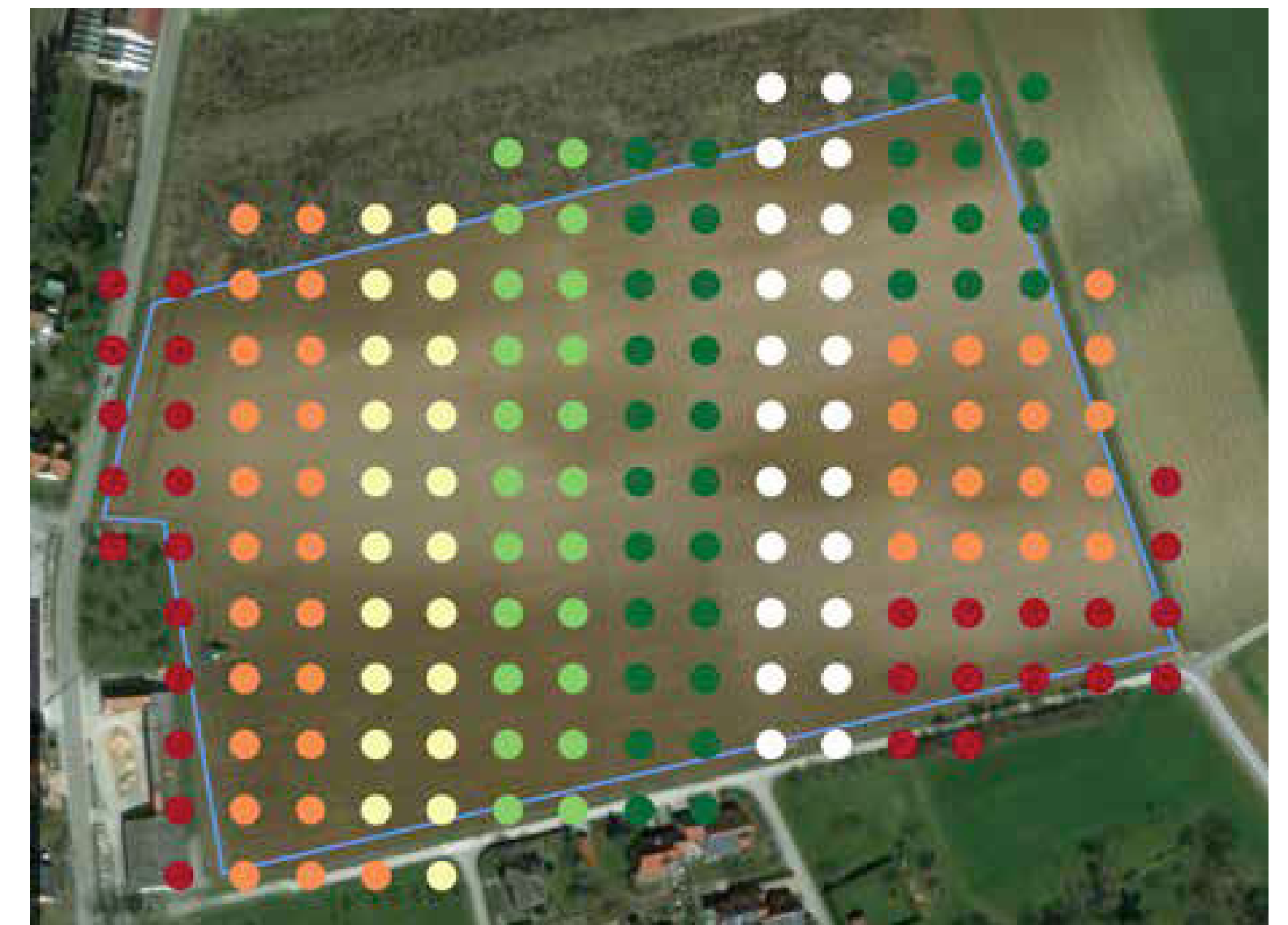
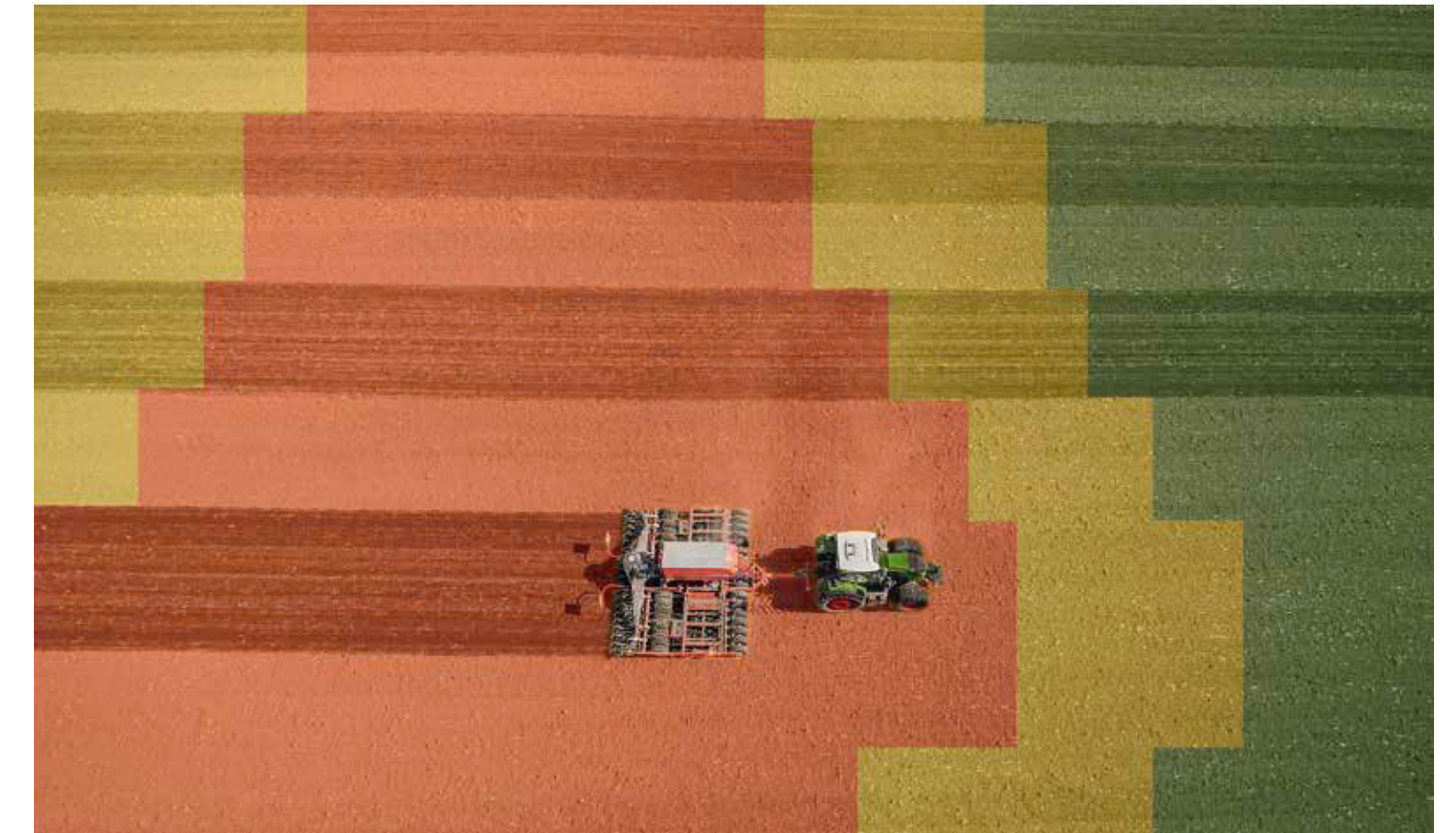


VariableRateControl (VRC).

Fendt VariableRateControl (VRC)

- Fendt VariableRateControl (VRC) is the area-specific application of different output volumes in a field
- Basic requirement for use: Software licence
- 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
- + Increases economic efficiency and kind on the environment
- + Basis of documentation for legal requirements (e.g. DüV (Fertiliser Application Ordinance))
- + Easy, intuitive controls

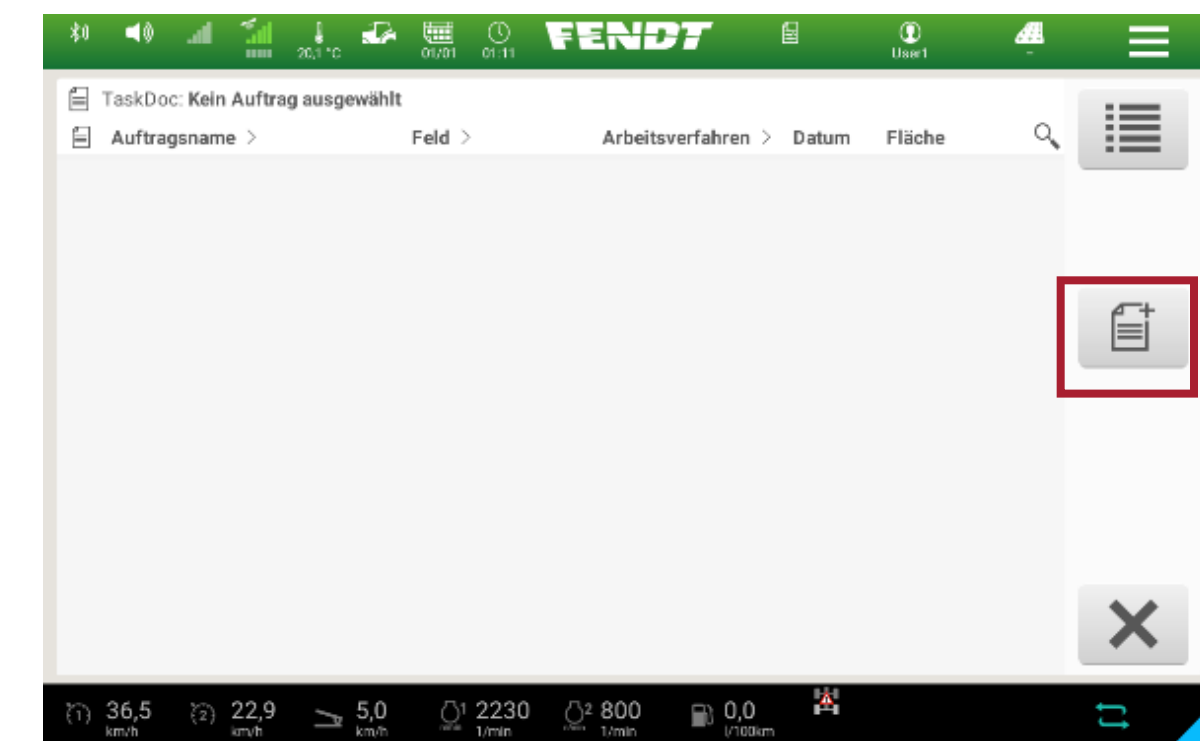


Fendt Task Doc.

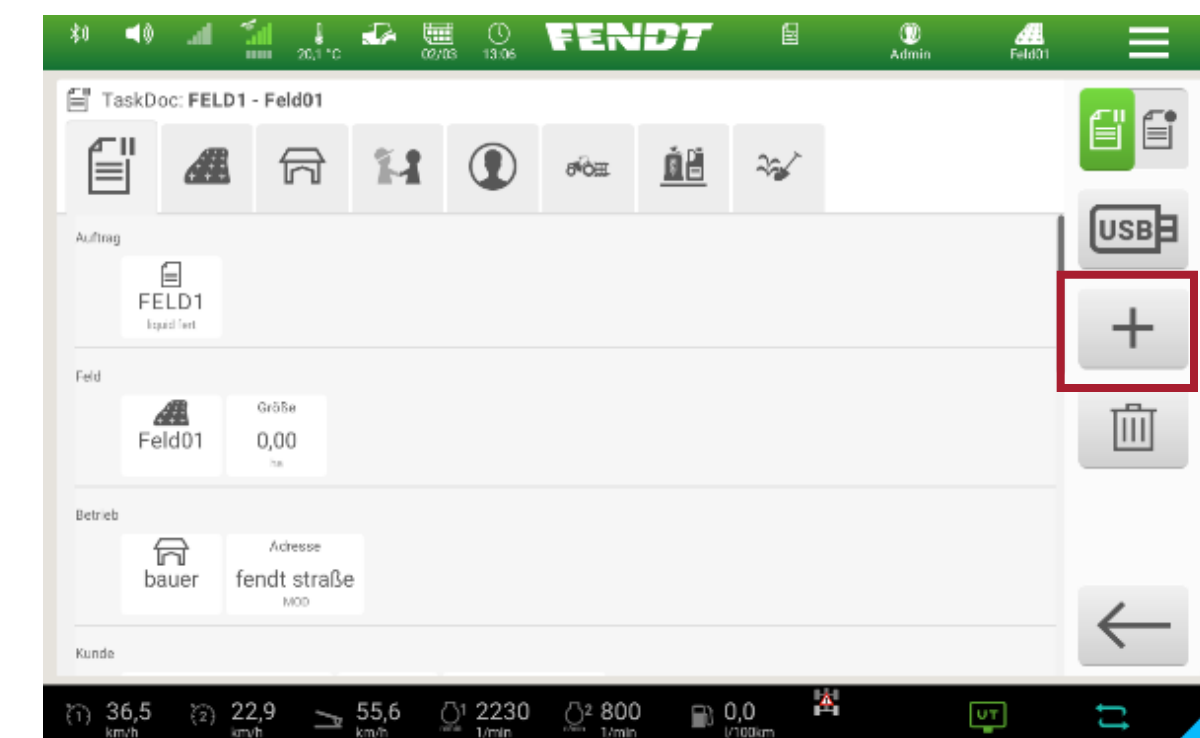
Documentation

- Quick and easy data transfer to field database via USB or GSM
- 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 customer
 - Name of the application
 - Pesticide used + quantity to be applied
 - Current weather situation, current driver
 - Implement used
- The field database can also be used to share third-party field data with the Fendt Vario

Add a new job



Add specific elements



+ Documentation is fully integrated into the front Varioterminal

Fendt TI headland management system. 1/4

Optimise repeat processes at the headland – save up to 1,920 hand movements based on 160 turns per day

- 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

- 1
- This includes 5 different triggers, as well as numerous functions from 14 different function groups
- 2
- 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



1

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

2

Fendt TI headland management system

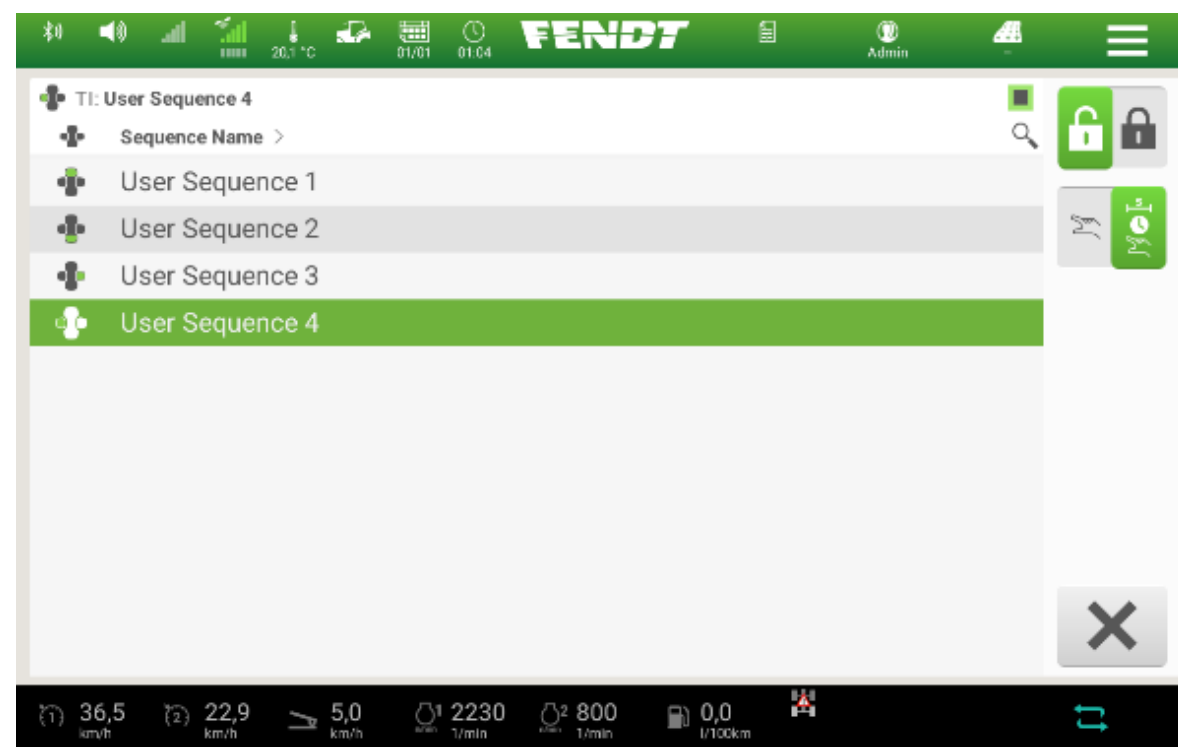
	Function group	Functions
1	Rear power lift	Lift, lower, slip control, quick feed. On/Off, Stop
2	Front power lift	Lift, Lower, On/Off, Quick Feed, Stop
3	Rear PTO	On/Off
4	Front PTO	On/Off
5	EHS valves	Lift, Lower, Stop, Floating Position
6	4WD	Automatic, 100%, Off
7	Differential locks	Automatic, 100%, 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

- + Easy, intuitive controls
- + Perfect integration of the multifunction joystick
- + 100% focus on the actual work
- + Much less work for the driver: single push of a button activates several sequences.
- + Combination of functions creates a sequence: 4 keys make up a User Sequence 1-4

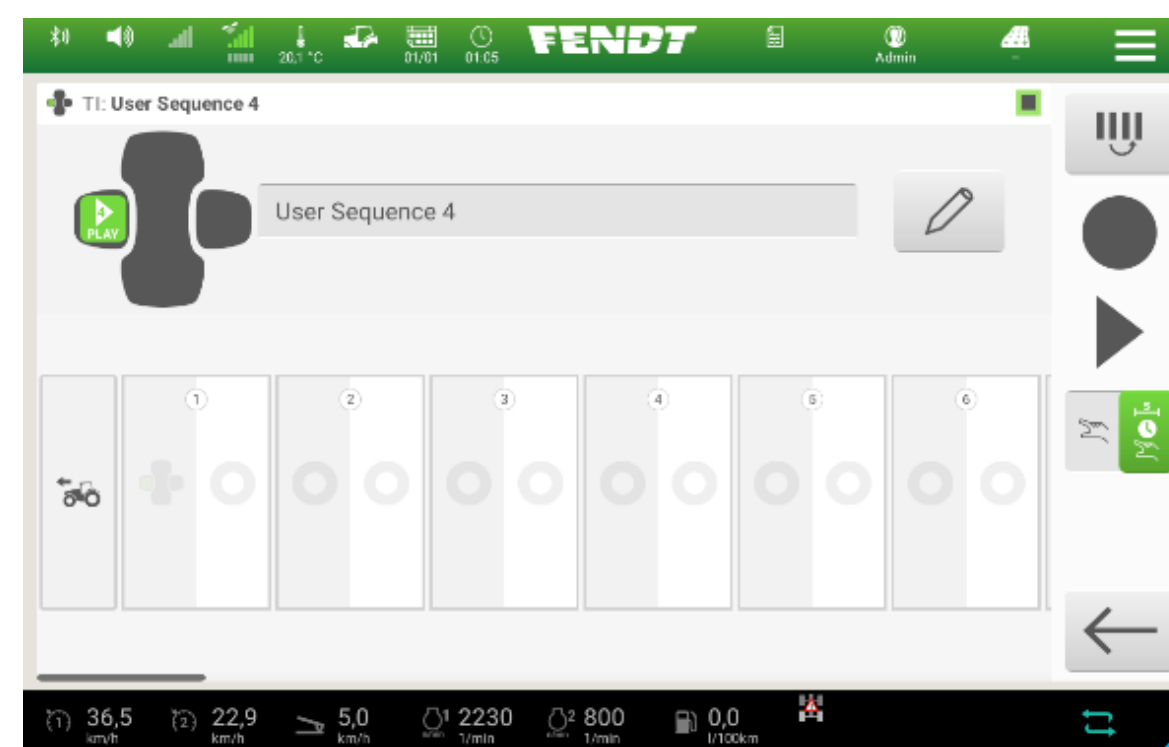
Fendt TI headland management system. 2/4

FendtTI headland management system

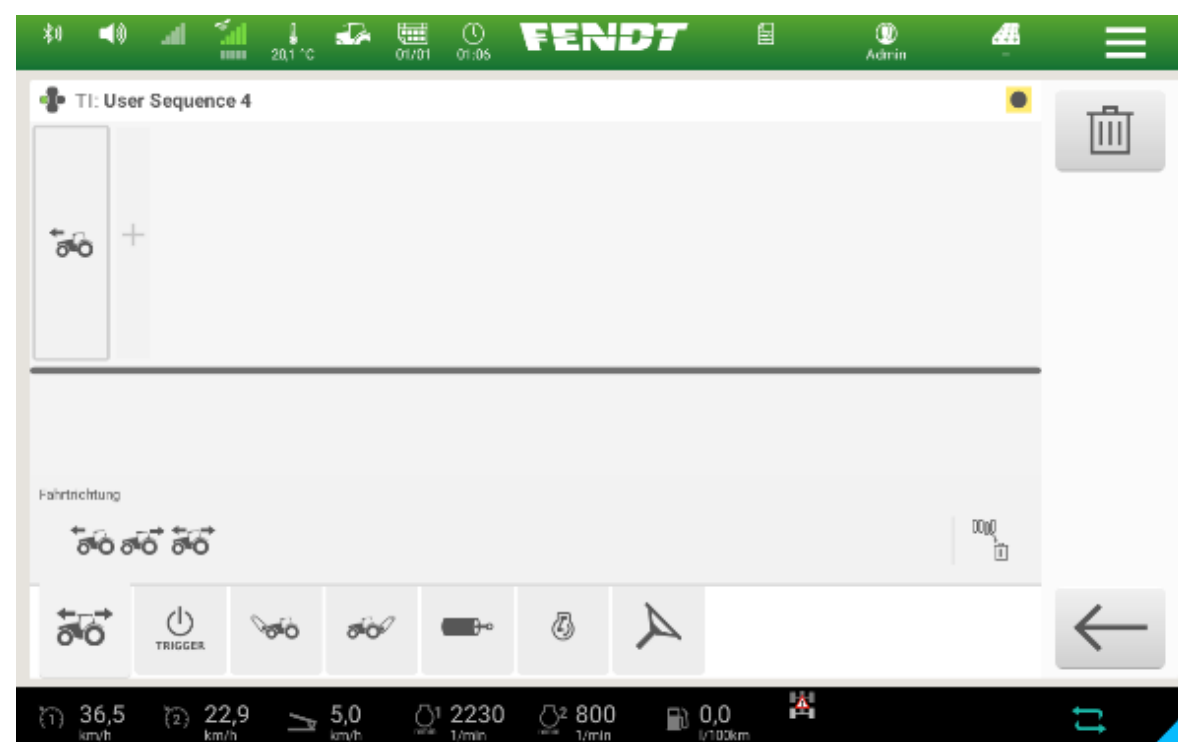
Select the sequence by clicking in the field



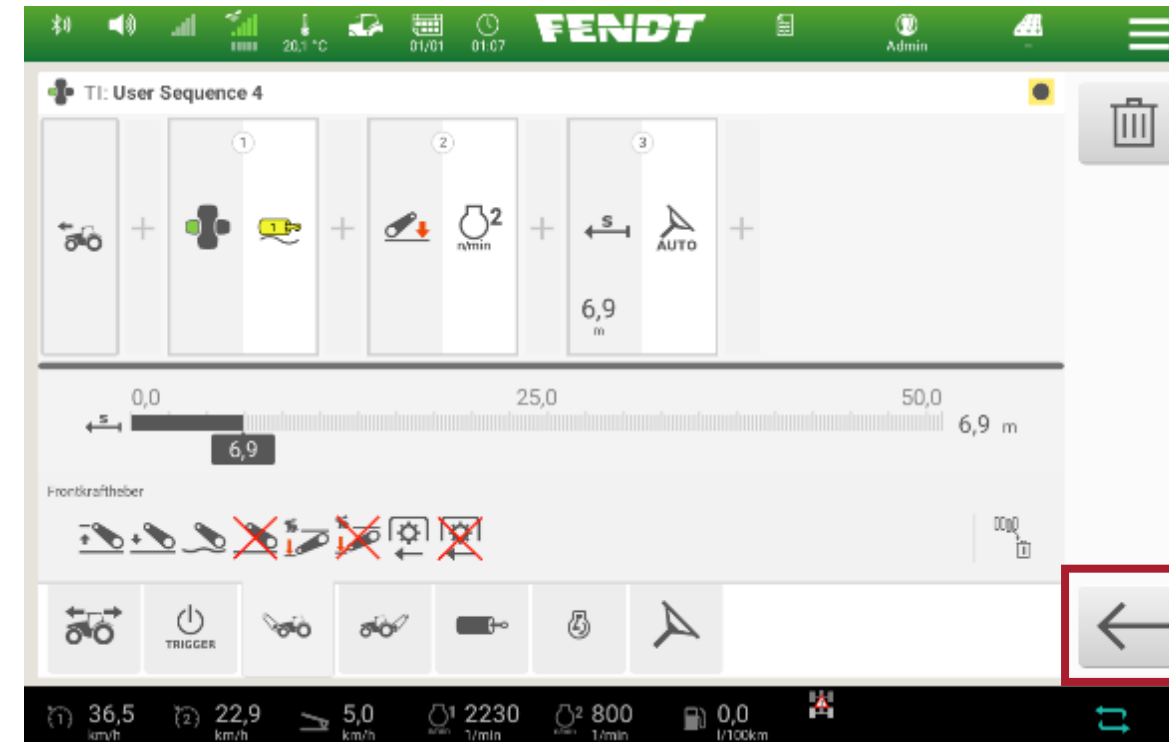
Open the EDIT-Offline menu.



Select the trigger or function.



Use drag&drop to add the function you want.



Click this button to save the sequence.



Fendt TI headland management system. 3/4

Practical benefits and independent comparison test

Headland management system in an independent 'profi' comparison test – 12/2017

- "Fendt offers by far the most reliable system. All aspects scored well above average." (quote from profi, 12/2017)
- With a clear lead ahead of second place, Fendt shows its USP lies in headland management systems



- + Fendt TI as standard with 12" terminal
- + Easy, intuitive controls
- + 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

Fendt TI Auto - headland management system. 4/4

Fendt TI auto

- In combination with Fendt Guide, the system detects the position via GNSS and automatically launches all recorded steps on the headland
- Basic prerequisite is a Varioterminal 12", Fendt Guide system, and Fendt TI auto 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 steering system, even on headlands
- + Program at a standstill or at 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 basic package, receiver)

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

- + Full utilisation of the guidance system even on the headland

Agrirouter – data exchange platform.

- Web-based data exchange platform to send data from any vendor between machines and agricultural software
- With an agrirouter account, you can send agronomy and other data wirelessly from a field map to the Fendt Varioterminal and vice versa
- Data is sent in standardised format

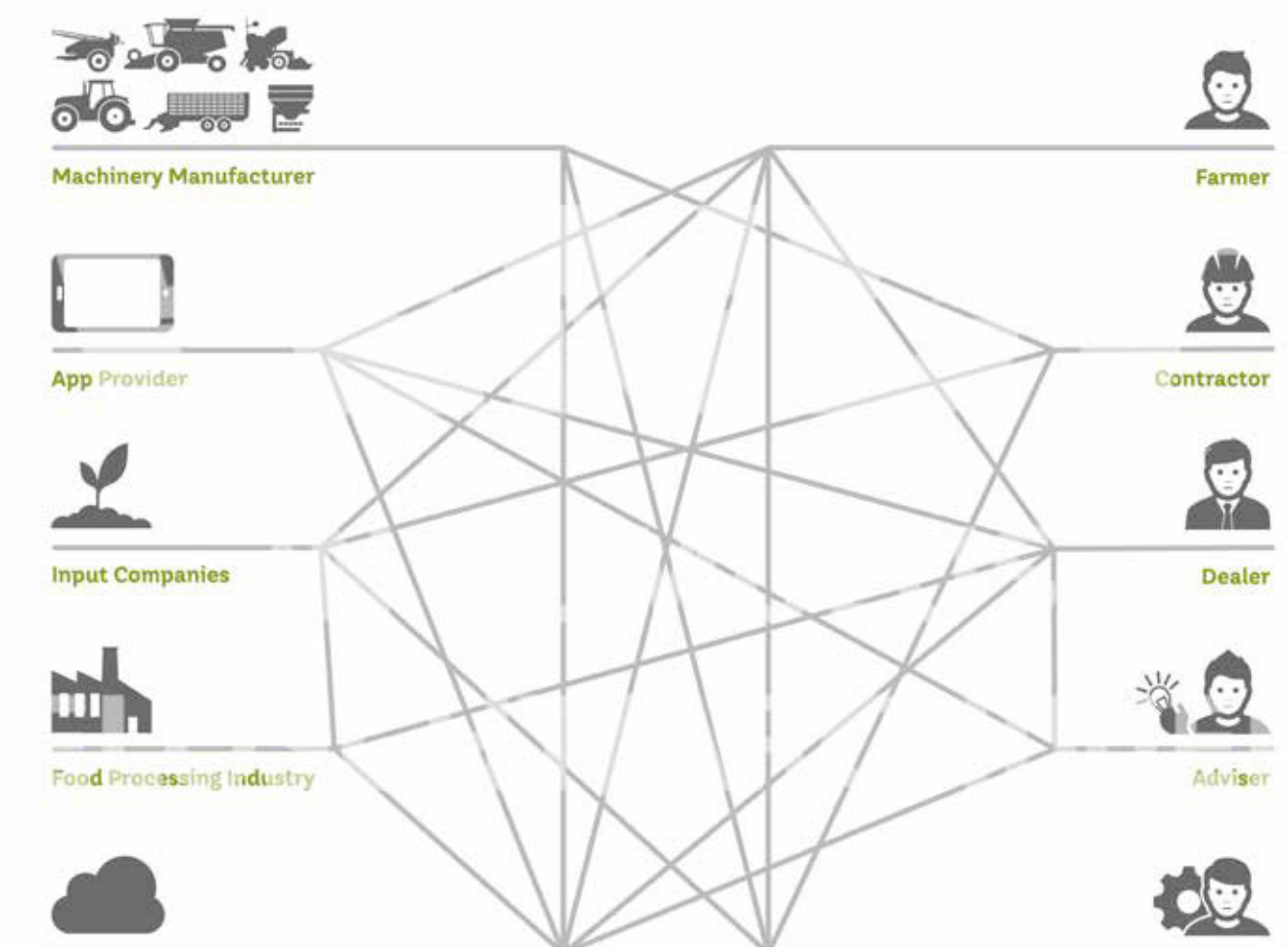
Can also be used in conjunction with FendtONE: with the agrirouter, you can connect other farm management systems to FendtONE → Wireless data exchange between the Fendt Varioterminal and other FMIS*

Prerequisites:

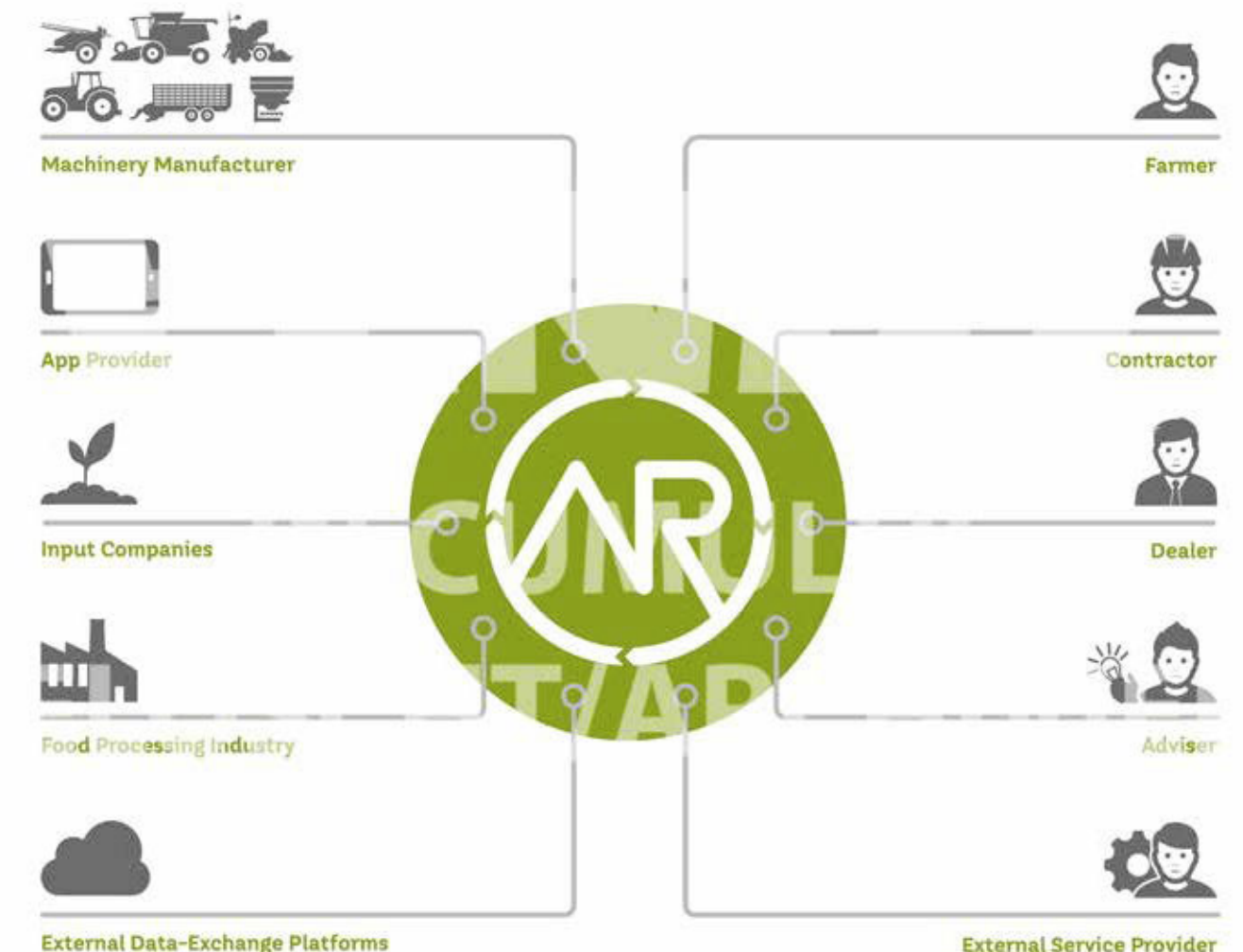
- Agronomy basic package

*) provided that the respective agricultural engineering or agricultural software manufacturer is a member of the agrirouter consortium
To find out more, go to www.my-agrirouter.com

Without agrirouter



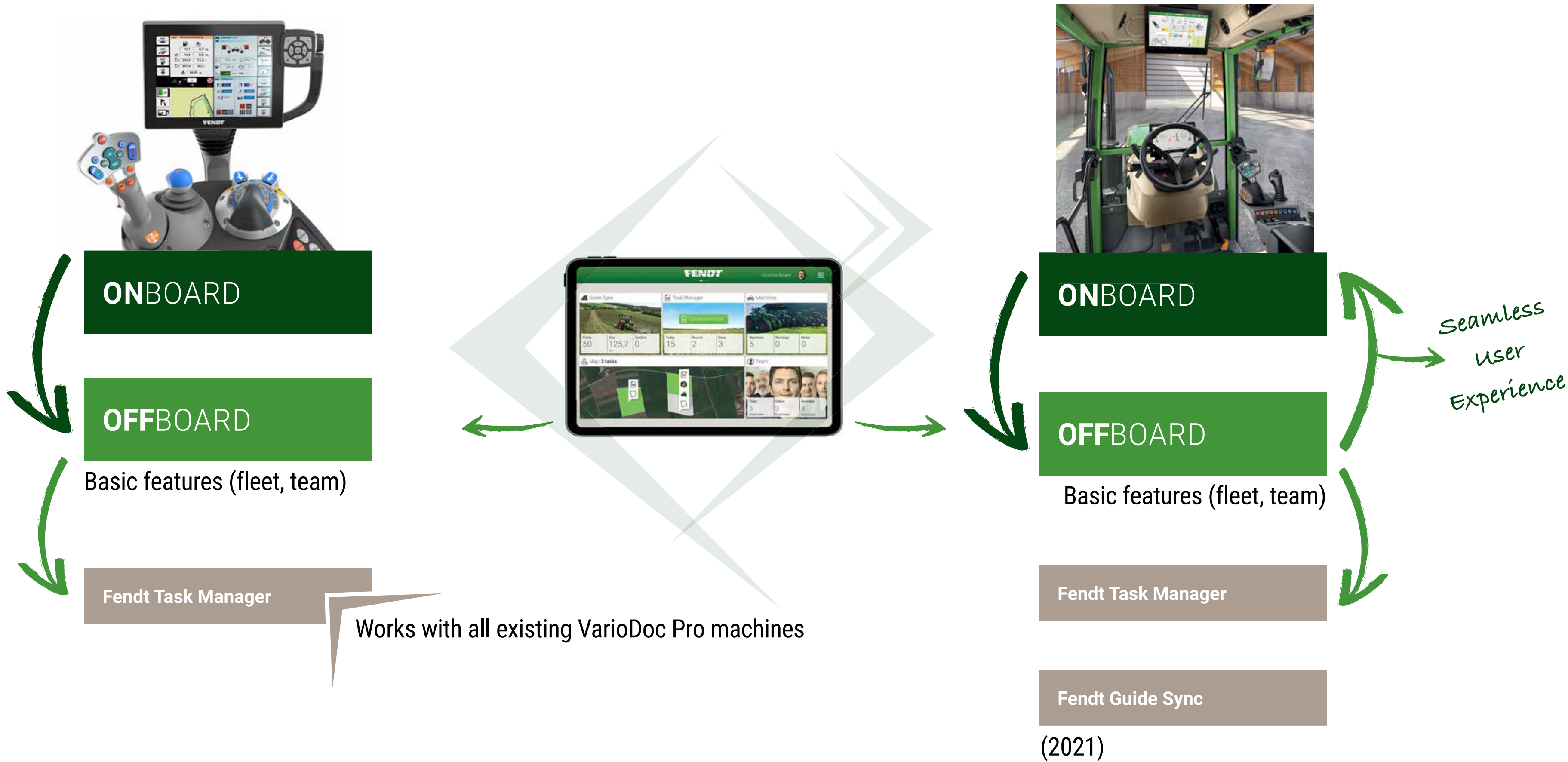
With agrirouter



- + Accessible data transfer even for mixed fleets*
- + Transparency and data monitoring: Set out data transfer routes
- + Data security: data is not stored

FendtONE.

- Variotronic products still apply as before
- Specific functions on FendtONE offboard are also available for the current driver's workstation
- New driver's workstation with new FendtONE operating philosophy
- End-to-end operating concept: FendtONE onboard and offboard

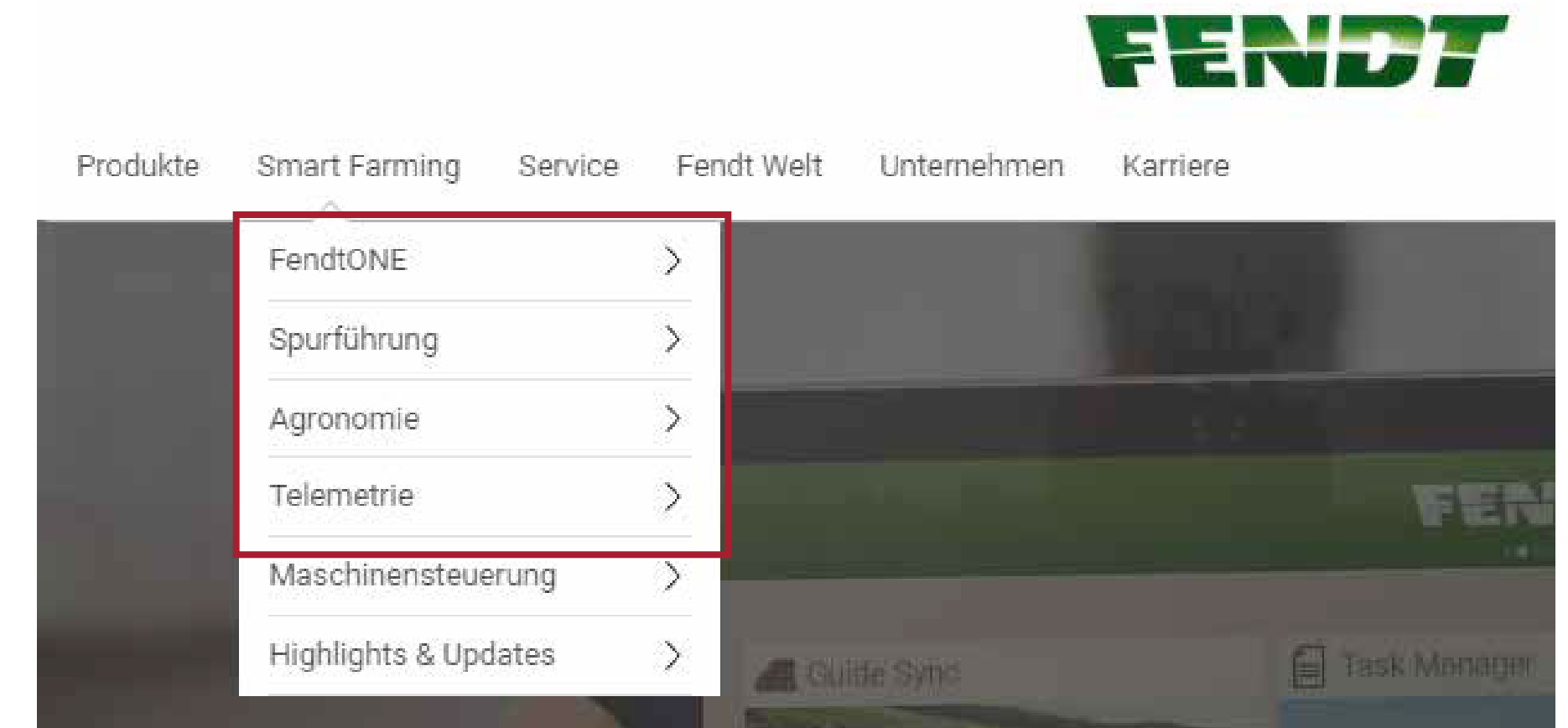


Module concept and naming.

Increasing number and complexity of Smart Farming solutions:

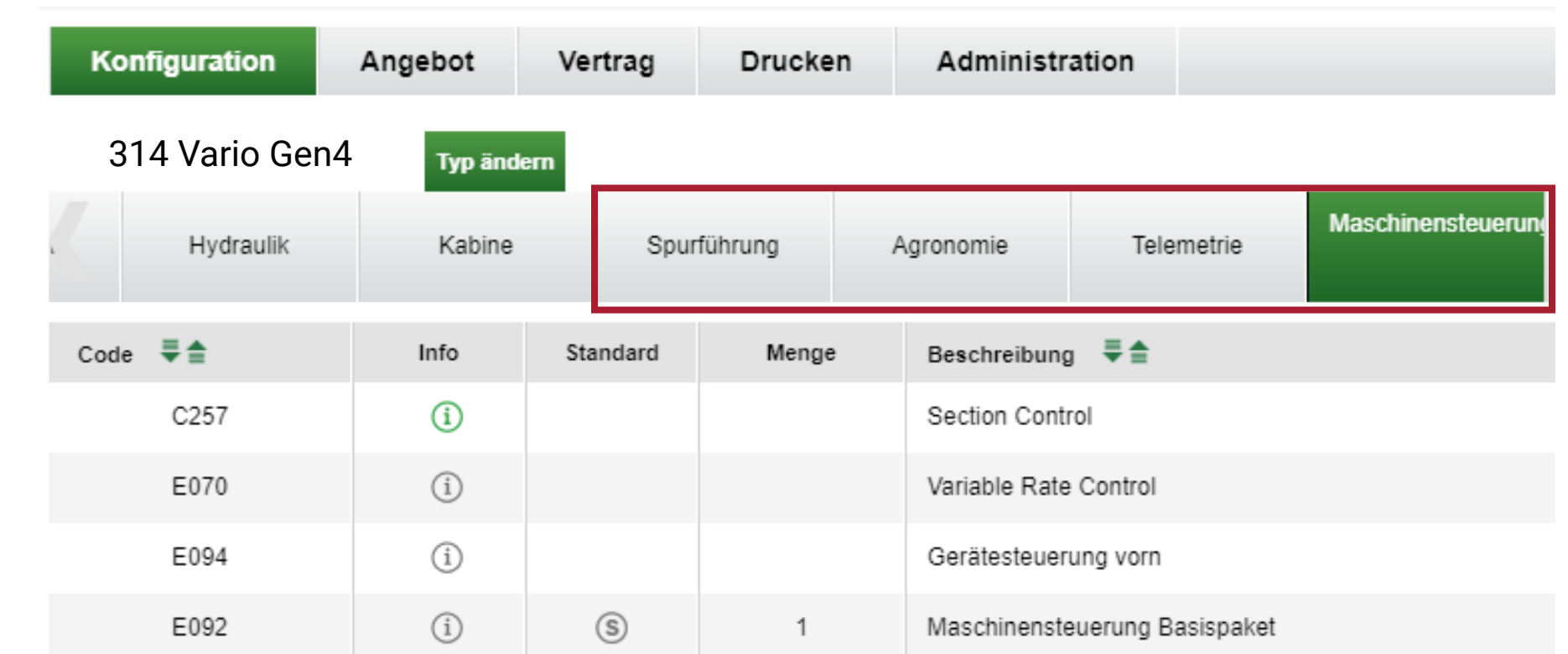
4 modules: Guidance System, Agronomy, Machine Control, Telemetry

- Basic package contains the basic functionality (e.g. Fendt Guide in the Lane Guidance module)
- Additional functions can be added as optional extras
- New naming for electronic features with the new driver's workstation



Website

- + Easier navigation with clearer and uniform structure across all channels
- + New driver's workstation is definitely different from the old one but it has the same module concept and similar naming system



Configurator

Guidance system.

Guidance System – basic package

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



Benefits

- + Even more efficient field work
- + Easy, intuitive controls
- + 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)

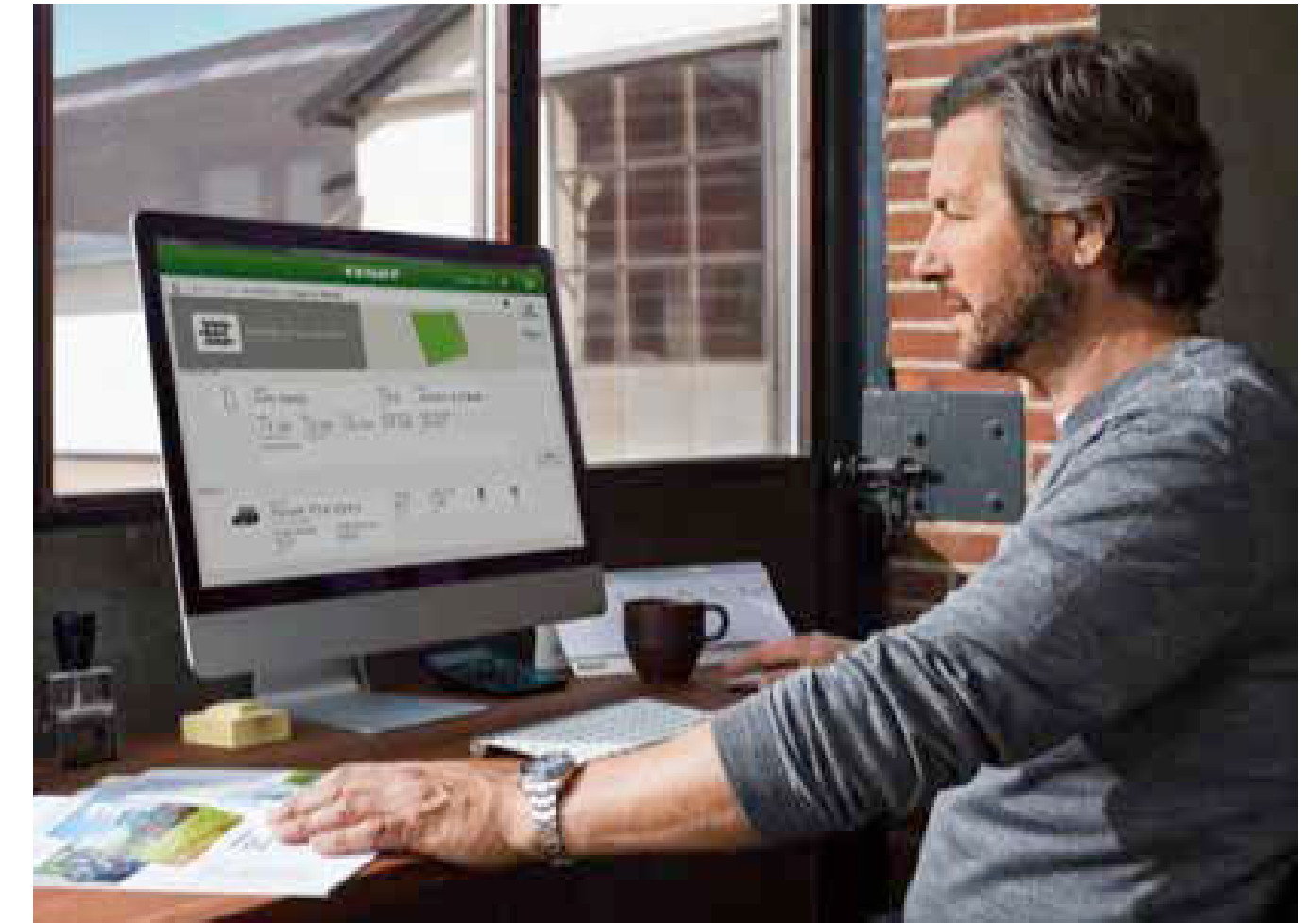
Optional

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

Agronomy.

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 jobs and tasks
- + Simplified documentation of jobs and field work
- + Seamless documentation of field work
- + Ready for future reporting
- + Flexible data transfer: Choice of USB or mobile network

Optional

- Fendt Task Doc
- Agrirouter
- Next Machine Management

Machine control.

Machine control - ISOBUS 200

- With the ISOBUS 200 machine control unit, an ISOBUS attachment can be easily and intuitively controlled by your machine. Important: Max. Power supply is 25 A.
- Machine control ISOBUS 200 is a prerequisite for further ISOBUS functions such as Fendt SectionControl and Fendt VariableRateControl.
- The tractor terminal and implement are connected by means of an adapter cable set. This is connected to the power and signal socket in the cab and connected to the implement socket on the outside.
- Appliance socket can be placed in the rear.



Advantages - Basic package machine control - Fendt ISOBUS 200

- + Increasing the efficiency of the team and conserving resources
- + Increasing the quality of work
- + Basis for site-specific processing
- + Savings in pesticides, fertilisers and seeds through precision farming (VRC, SC)
- + Maximum range of functions for controlling ISOBUS devices
- + Simple operation of complex implements: Ex. crop protection - no additional ISOBUS hardware required due to Fendt 3L joystick* with up to 27 functions! * available end of 2021

Option

- Fendt SectionControl
- Fendt VariableRateControl

Fendt Implement Management (TIM-Steering).

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

- + Increasing the efficiency of the team
- + Maximum driver relief

Telemetry.

Telemetry – basic package

- Best analysis and optional management of your fleet with the telemetry basic package
- 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 sent over the mobile network (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
- + Prevent machine downtimes by identifying error codes early on – optimised Dealer services

Optional

- Smart Connect

Specifications – overview.

Technical specifications

Equipment variants



Technical specifications. Vario V 1/4

		207 Vario V	208 Vario V	209 Vario V	210 Vario V	211 Vario V
Engine						
Rated power ECE R 120	kW/hp	53/72	60/82	67/91	73/99	77/105
Rated power with DP ECE R 120 (approval rating)	kW/hp					84/114
Maximum power ECE R 120	kW/hp	58/79	62/84	69/94	77/104	84/114
Maximum power with DP ECE R 120	kW/hp					91/124
No. of cylinders	number	3	3	3	3	3
Cylinder bore/stroke	mm	108/120	108/120	108/120	108/120	108/120
Cubic capacity	cm³	3300	3300	3300	3300	3300
Rated speed	rpm	2100	2100	2100	2100	2100
Max. torque at 1600 rpm	Nm	328	348	389	428	
Max. torque with DP at 1600 rpm	Nm					508
Torque rise	%	37.0	28.0	28.0	30.0	33.0
Fuel level	litres	68.0	68.0	68.0	68.0	68.0
Optional fuel tank capacity	litres	80.0	80.0	80.0	80.0	80.0
AdBlue tank	litres	16.0	16.0	16.0	16.0	16.0
Oil change interval	working hours	500	500	500	500	500
Transmission and PTO						
Transmission type		ML70	ML70	ML70	ML70	ML70
Speed range forward	km/h	0.02-40	0.02-40	0.02-40	0.02-40	0.02-40

Technical specifications. Vario V 2/4

		207 Vario V	208 Vario V	209 Vario V	210 Vario V	211 Vario V
Speed range reverse	km/h	0.02-25	0.02-25	0.02-25	0.02-25	0.02-25
Top speed	km/h	40	40	40	40	40
Rear PTO		540/540E/1000	540/540E/1000	540/540E/1000	540/540E/1000	540/540E/1000
Rear PTO option (including ground speed PTO)		540/540E/5,8	540/540E/5,4	540/540E/5,4	540/540E/5,4	540/540E/5,5
Front PTO option		1000	1000	1000	1000	1000
Front PTO option 2		540 E	540 E	540E	540E	540E
Engine rpm at rated speed of rear PTO (540 PTO)	rpm	1906	1906	1906	1906	1906
Engine rpm at rated speed of rear PTO (540E PTO)	rpm	1566	1566	1566	1566	1566
Engine rpm at rated speed of rear PTO (1000 PTO)	rpm	1889	1889	1889	1889	1889
Engine rpm at rated speed of front PTO (1000 PTO)	rpm	1897	1897	1897	1897	1897

Power lift and hydraulics

Dual hydraulic pump	l/min	33+42	33+42	33+42	33+42	33+42
Variable flow pump	l/min	48+71	48+71	48+71	48+71	48+71
Working pressure / control pressure	bar	200	200	200	200	200
Max. valves (front/centre/rear) Power	number	0/4/4	0/4/4	0/4/4	0/4/4	0/4/4
Max. valves (front/centre/rear) Profi / Profi+	Number	0/7/4	0/7/4	0/7/4	0/7/4	0/7/4
Max. valves (front/centre/rear)	number	0/7/4	0/7/4	0/7/4	0/7/4	0/7/4
Max. available hydraulic oil volume	litres	25	25	25	25	25
Flow rate of control valves (all valves)	litres	0-40	0-40	0-40	0-40	0-40
Flow rate of control valves (valve 3)	l/min	0-65	0-65	0-65	0-65	0-65

Technical specifications. Vario V 3/4

		207 Vario V	208 Vario V	209 Vario V	210 Vario V	211 Vario V
Max. lift capacity of rear power lift	daN	2775	2775	2775	2775	2775
Max. lift capacity of front power lift	daN	2380	2380	2380	2380	2380

Electrical features

Batteries	number	1	1	1	1	1
Battery power	Ah/V	50/12	50/12	50/12	50/12	50/12
Alternator	V/A	14/120	14/120	14/120	14/120	14/120

Tyres

Front tyres (standard)		7.5L - 15	280/70R16	280/70R16	280/70R16	280/70R16
Standard tyres rear		280/85 R 24	320/85R24	320/85R24	320/85R24	360/70R24
1st option for front tyres		265/70R16	7.5L-15	7.5L-15	7.5L-15	280/70R16
1st option for rear tyres		12.4 R24	280/85R24	280/85R24	280/85R24	320/85R24
2nd option for front tyres		280/70R16	280/70R16	280/70R24	280/70R16	320/65R16
2nd option for rear tyres		360/70R24	360/70R24	360/70R24	360/70R24	380/70R24
3rd option for front tyres		320/65R16	320/65R16	320/65R16	320/65R16	320/65R16
3rd option for rear tyres		440/65 R24	440/65R24	440/65R24	440/65R24	440/65R24

Dimensions

Front track width (standard tyres)	mm	794	852	852	852	852
Rear track width (standard tyres)	mm	777	831	831	831	857
Overall width with standard tyres	mm	1070	1151	1151	1151	1217

Technical specifications. Vario V 4/4

		207 Vario V	208 Vario V	209 Vario V	210 Vario V	211 Vario V
Overall length	mm	3708	3708	3708	3708	3708
Overall height - comfort cab	mm	2310	2400	2400	2400	2400
Total height of driver's cab with standard tyres without Fendt Guide	mm	2310	2400	2400	2400	2400
Total height of driver's cab with standard tyres with Fendt Guide	mm	2420	2510	2510	2510	2510
Max. ground clearance	mm	266	266	266	266	266
Wheelbase	mm	2290	2290	2290	2290	2290

Weights

Unladen weight (base tractor with cab - full tanks, without driver)	kg	3060.0	2860.0	3080.0	3080.0	3090.0
Max. permissible overall weight	kg	4800.0	4800.0	4800.0	4800.0	4800.0
Max. permissible overall weight up to 40 km/h country-specific exception approval required	kg	4800.0	4800.0	4800.0	4800.0	4800.0
Max. trailer hitch load	kg	1500.0	1500.0	1500.0	1500.0	1500.0
Max. permissible front axle load	kg	2300.0	2300.0	2300.0	2300.0	2300.0
Max. permissible front axle load up to 8 km/h	kg	3500.0	3500.0	3500.0	3500.0	3500.0
Max. permissible rear axle load (country-specific)	kg	3200.0	3200.0	3200.0	3200.0	3200.0

Technical specifications. Vario F 1/4

		207 Vario F	208 Vario F	209 Vario F	210 Vario F	211 Vario F
Engine						
Rated power ECE R 120	kW/hp	53/72	60/82	67/91	73/99	77/105
Rated power with DP ECE R 120 (approval rating)	kW/hp					84/114
Maximum power ECE R 120	kW/hp	58/79	62/84	69/94	77/104	84/114
Maximum power with DP ECE R 120	kW/hp					91/124
No. of cylinders	number	3	3	3	3	3
Cylinder bore/stroke	mm	108/120	108/120	108/120	108/120	108/120
Cubic capacity	cm³	3300	3300	3300	3300	3300
Rated speed	rpm	2100	2100	2100	2100	2100
Max. torque at 1600 rpm	Nm	328	348	389	428	
Max. torque with DP at 1600 rpm	Nm					508
Torque rise	%	37.0	28.0	28.0	30.0	33.0
Fuel level	litres	68.0	68.0	68.0	68.0	68.0
Optional fuel tank capacity	litres	80.0	80.0	80.0	80.0	80.0
AdBlue tank	litres	16.0	16.0	16.0	16.0	16.0
Oil change interval	working hours	500	500	500	500	500
Transmission and PTO						
Transmission type		ML70	ML70	ML70	ML70	ML70
Speed range forward	km/h	0.02-40	0.02-40	0.02-40	0.02-40	0.02-40

Technical specifications. Vario F 2/4

		207 Vario F	208 Vario F	209 Vario F	210 Vario F	211 Vario F
Speed range reverse	km/h	0.02-25	0.02-25	0.02-25	0.02-25	0.02-25
Top speed	km/h	40	40	40	40	40
Rear PTO		540/540E/1000	540/540E/1000	540/540E/1000	540/540E/1000	540/540E/1000
Rear PTO option (including ground speed PTO)		540/540E/4,8	540/540E/4,8	540/540E/4,8	540/540E/4,8	540/540E/4,8
Front PTO option		1000	1000	1000	1000	1000
Front PTO option 2		540E	540E	540E	540E	540E
Engine rpm at rated speed of rear PTO (540 PTO)	rpm	1907	1906	1906	1906	1906
Engine rpm at rated speed of rear PTO (540E PTO)	rpm	1566	1566	1566	1566	1566
Engine rpm at rated speed of rear PTO (1000 PTO)	rpm	1889	1889	1889	1889	1889
Engine rpm at rated speed of front PTO (1000 PTO)	rpm	1897	1897	1897	1897	1897

Power lift and hydraulics

Dual hydraulic pump	l/min	33+42	33+42	33+42	33+42	33+42
Variable flow pump	l/min	48+71	48+71	48+71	48+71	48+71
Working pressure / control pressure	bar	200	200	200	200	200
Max. valves (front/centre/rear) Power	number	0/4/4	0/4/4	0/4/4	0/4/4	0/4/4
Max. valves (front/centre/rear) Profi / Profi+	Number	0/7/4	0/7/4	0/7/4	0/7/4	0/7/4
Max. valves (front/centre/rear)	number	0/7/4	0/7/4	0/7/4	0/7/4	0/7/4
Max. available hydraulic oil volume	litres	25	25	25	25	25
Flow rate of control valves (all valves)	litres	0-40	0-40	0-40	0-40	0-40
Flow rate of control valves (valve 3)	l/min	0-65	0-65	0-65	0-65	0-65

Technical specifications. Vario F 3/4

		207 Vario F	208 Vario F	209 Vario F	210 Vario F	211 Vario F
Max. lift capacity of rear power lift	daN	2417	2417	2417	2417	2417
Max. lift capacity of front power lift	daN	2380	2380	2380	2380	2380

Electrical features

Batteries	number	1	1	1	1	1
Battery power	Ah/V	50/12	50/12	50/12	50/12	50/12
Alternator	V/A	14/120	14/120	14/120	14/120	14/120

Tyres

Front tyres (standard)		280/70R20	280/70R20	280/70R20	280/70R20	280/70R20
Standard tyres rear		340/85R28	340/85R28	340/85R28	340/85R28	340/85R28
1st option for front tyres		11LR16	11LR16	11LR16	11LR16	11LR16
1st option for rear tyres		420/70R24	420/70R24	420/70R24	420/70R24	420/70R24
2nd option for front tyres		280/70R20	280/70R20	280/70R20	280/70R20	280/70R20
2nd option for rear tyres		420/70R24	420/70R24	420/70R24	420/70R24	420/70R24
3rd option for front tyres		320/65R18	320/65R18	320/65R18	320/65R18	320/65R18
3rd option for rear tyres		420/70R24	420/70R24	420/70R24	420/70R24	420/70R24

Dimensions

Front track width (standard tyres)	mm	1064	1064	1064	1064	1064
Rear track width (standard tyres)	mm	1000	1000	1000	1000	1000
Overall width with standard tyres	mm	1367	1367	1367	1367	1367

Technical specifications. Vario F 4/4

		207 Vario F	208 Vario F	209 Vario F	210 Vario F	211 Vario F
Overall length	mm	3813	3813	3813	3813	3813
Overall height - comfort cab	mm	2470	2470	2470	2470	2470
Total height of driver's cab with standard tyres without Fendt Guide	mm	2470	2470	2470	2470	2470
Total height of driver's cab with standard tyres with Fendt Guide	mm	2580	2580	2580	2580	2580
Max. ground clearance	mm	323	323	323	323	323
Wheelbase	mm	2290	2290	2290	2290	2290

Weights

Unladen weight (base tractor with cab - full tanks, without driver)	kg	3140.0	3140.0	3140.0	3140.0	3140.0
Max. permissible overall weight	kg	4800.0	4800.0	4800.0	4800.0	4800.0
Max. permissible overall weight up to 40 km/h country-specific exception approval required	kg	4800.0	4800.0	4800.0	4800.0	4800.0
Max. trailer hitch load	kg	1500.0	1500.0	1500.0	1500.0	1500.0
Max. permissible front axle load	kg	2300.0	2300.0	2300.0	2300.0	2300.0
Max. permissible front axle load up to 8 km/h	kg	3500.0	3500.0	3500.0	3500.0	3500.0
Max. permissible rear axle load (country-specific)	kg	3200.0	3200.0	3200.0	3200.0	3200.0

Technical specifications. Vario P 1/4

		209 Vario P	210 Vario P	211 Vario P
Engine				
Rated power ECE R 120	kW/hp	67/91	73/99	77/105
Rated power with DP ECE R 120 (approval rating)	kW/hp			84/114
Maximum power ECE R 120	kW/hp	69/94	77/104	84/114
Maximum power with DP ECE R 120	kW/hp			91/124
No. of cylinders	number	3	3	3
Cylinder bore/stroke	mm	108/120	108/120	108/120
Cubic capacity	cm³	3300	3300	3300
Rated speed	rpm	2100	2100	2100
Max. torque at 1600 rpm	Nm	389	428	
Max. torque with DP at 1600 rpm	Nm			508
Torque rise	%	28.0	30.0	33.0
Fuel level	litres	68.0	68.0	68.0
Optional fuel tank capacity	litres	80.0	80.0	80.0
AdBlue tank	litres	16.0	16.0	16.0
Oil change interval	working hours	500	500	500
Transmission and PTO				
Transmission type		ML70	ML70	ML70
Speed range forward	km/h	0.02-40	0.02-40	0.02-40

Technical specifications. Vario P 2/4

		209 Vario P	210 Vario P	211 Vario P
Speed range reverse	km/h	0.02-25	0.02-25	0.02-25
Top speed	km/h	40	40	40
Rear PTO		540/540E/1000	540/540E/1000	540/540E/1000
Rear PTO option (including ground speed PTO)		540/540E/4,7	540/540E/4,7	540/540E/4,7
Front PTO option		1000	1000	1000
Front PTO option 2		540E	540E	540E
Engine rpm at rated speed of rear PTO (540 PTO)	rpm	1906	1906	1906
Engine rpm at rated speed of rear PTO (540E PTO)	rpm	1566	1566	1566
Engine rpm at rated speed of rear PTO (1000 PTO)	rpm	1889	1889	1889
Engine rpm at rated speed of front PTO (1000 PTO)	rpm	1897	1897	1897

Power lift and hydraulics

Dual hydraulic pump	l/min	33+42	33+42	33+42
Variable flow pump	l/min	48+71	48+71	48+71
Working pressure / control pressure	bar	200	200	200
Max. valves (front/centre/rear) Power	number	0/4/4	0/4/4	0/4/4
Max. valves (front/centre/rear) Profi / Profi+	Number	0/7/4	0/7/4	0/7/4
Max. valves (front/centre/rear)	number	0/7/4	0/7/4	0/7/4
Max. available hydraulic oil volume	litres	25	25	25
Flow rate of control valves (all valves)	litres	0-40	0-40	0-40
Flow rate of control valves (valve 3)	l/min	0-65	0-65	0-65

Technical specifications. Vario P 3/4

		209 Vario P	210 Vario P	211 Vario P
Max. lift capacity of rear power lift	daN	3134	3134	3134
Max. lift capacity of front power lift	daN	2540	2540	2540

Electrical features

Batteries	number	1	1	1
Battery power	Ah/V	50/12	50/12	50/12
Alternator	V/A	14/120	14/120	14/120

Tyres

Front tyres (standard)		280/70R20	280/70R20	280/70R20
Standard tyres rear		380/85R28	380/85R28	420/70R28
1st option for front tyres		11LR16	11LR16	11LR16
1st option for rear tyres		420/70R24	420/70R24	420/70R24
2nd option for front tyres		280/70R20	280/70R20	280/70R20
2nd option for rear tyres		420/70R28	420/70R28	380/85R28
3rd option for front tyres		340/65R18	340/65R18	340/65R18
3rd option for rear tyres		480/65R28	480/65R28	480/65R28

Dimensions

Front track width (standard tyres)	mm	1212	1212	1212
Rear track width (standard tyres)	mm	1288	1288	1288
Overall width with standard tyres	mm	1680	1680	1720

Technical specifications. Vario P 4/4

		209 Vario P	210 Vario P	211 Vario P
Overall length	mm	3831	3831	3831
Overall height - comfort cab	mm	2500	2500	2500
Total height of driver's cab with standard tyres without Fendt Guide	mm	2500	2500	2500
Total height of driver's cab with standard tyres with Fendt Guide	mm	2610	2610	2610
Max. ground clearance	mm	318	318	318
Wheelbase	mm	2290	2290	2290

Weights

Unladen weight (base tractor with cab - full tanks, without driver)	kg	3360.0	3360.0	3380.0
Max. permissible overall weight	kg	5600.0	5600.0	5600.0
Max. permissible overall weight up to 40 km/h country-specific exception approval required	kg	5600.0	5600.0	5600.0
Max. trailer hitch load	kg	1500.0	1500.0	1500.0
Max. permissible front axle load	kg	2800.0	2800.0	2800.0
Max. permissible front axle load up to 8 km/h	kg	4000.0	4000.0	4000.0
Max. permissible rear axle load (country-specific)	kg	4000.0	4000.0	4000.0



Standard and optional equipment

Standard: ☒

Optional: ☐

Equipment variants. 1/9

	200 Vario V Gen3 Power	200 Vario V Gen3 Profi	Profi+	200 Vario F Gen3 Power	200 Vario F Gen3 Profi	200 Vario F Gen3 Profi+	200 Vario P Gen3 Power	200 Vario P Gen3 Profi	200 Vario P Gen3 Profi+
Engine									
Reversible fan	☐	☐	☐	☐	☐	☐	☐	☐	☐
Engine pre-heating	☐	☐	☐	☐	☐	☐	☐	☐	☐
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 Auto									
Contour Assistant			☐			☐			☐
Agronomy									
Agronomy basic package			☐			☐			☐



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Standard and optional equipment

Standard: ☒

Optional: ☐

Equipment variants. 2/9

	200 Vario V Gen3 Power	200 Vario V Gen3 Profi	Profi+	200 Vario F Gen3 Power	200 Vario F Gen3 Profi	200 Vario F Gen3 Profi+	200 Vario P Gen3 Power	200 Vario P Gen3 Profi	200 Vario P Gen3 Profi+
Telemetry									
Telemetry basic package			☐			☐			☐
Smart Connect			☐			☐			☐
Machine control									
ISOBUS 200 machine control		☐	☐		☐	☐		☐	☐
Section Control			☐			☐			☐
Variable Rate Control			☐			☐			☐
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		☐	☒		☐	☒		☐	☒
Ready for automatic steering system		☐			☐			☐	



Standard and optional equipment

Standard: ☒

Optional: ☐

Equipment variants. 3/9

	200 Vario V Gen3 Power	200 Vario V Gen3 Profi	Profi+	200 Vario F Gen3 Power	200 Vario F Gen3 Profi	200 Vario F Gen3 Profi+	200 Vario P Gen3 Power	200 Vario P Gen3 Profi	200 Vario P Gen3 Profi+
Fendt Active steering		☐	☒		☐	☒		☐	☒
Cab									
Comfort cab	☒	☒	☒	☒	☒	☒	☒	☒	☒
Active charcoal filter	☐	☐	☐	☐	☐	☐	☐	☐	☐
Category 4 cab air filter system		☐	☐		☐	☐		☐	☐
Comfort seat, air sprung	☒	☒	☒	☒	☒	☒	☒	☒	☒
Height and tilt-adjustable steering column	☒	☒	☒	☒	☒	☒	☒	☒	☒
Air-conditioning	☒	☒	☒	☒	☒	☒	☒	☒	☒
Integrated automatic climate control	☐	☐	☐	☐	☐	☐	☐	☐	☐
One-piece windscreen and door on right	☒	☒	☒	☒	☒	☒	☒	☒	☒
Segment wipers front	☒	☒	☒	☒	☒	☒	☒	☒	☒
Rear window wash/wipe	☐	☐	☐	☐	☐	☐	☐	☐	☐
Telescoping rear view mirror	☐	☐	☐	☐	☐	☐	☐	☐	☐
Auxiliary device holder	☐	☐	☐	☐	☐	☐	☐	☐	☐
Radio mounting kit with two stereo speakers	☒	☒	☒	☒	☒	☒	☒	☒	☒
Radio CD MP3									



Standard and optional equipment

Standard: ☒

Optional: ☐

Equipment variants. 4/9

	200 Vario V Gen3 Power	200 Vario V Gen3 Profi	Profi+	200 Vario F Gen3 Power	200 Vario F Gen3 Profi	200 Vario F Gen3 Profi+	200 Vario P Gen3 Power	200 Vario P Gen3 Profi	200 Vario P Gen3 Profi+
Radio CD MP3 hands-free speaking system	☐	☐	☐	☐	☐	☐	☐	☐	☐
4 camera connections (digital/ analogue)		☐	☐		☐	☐		☐	☐
Fendt Reaction steering system	☒	☒	☒	☒	☒	☒	☒	☒	☒
Self-cancelling indicators	☒	☒	☒	☒	☒	☒	☒	☒	☒
Brake level device	☐	☐	☐	☐	☐	☐	☐	☐	☐
Electric battery disconnect switch	☐	☐	☐	☐	☐	☐	☐	☐	☐

Lighting

Bi-halogen headlights	☒	☒	☒	☒	☒	☒	☒	☒	☒
Auxiliary lights front	☐	☐	☐	☐	☐	☐	☐	☐	☐
Rear working lights		☐		☐	☐				
A-pillar LED work lights	☐	☐	☐	☐	☐	☐	☐	☐	☐
Roof rear LED work lights	☐	☐	☐	☐	☐	☐	☐	☐	☐
Front roof work lights	☐	☐	☐	☐	☐	☐	☐	☐	☐
Roof front LED work lights	☐	☐	☐	☐	☐	☐	☐	☐	☐
LED rear lights	☒	☒	☒	☒	☒	☒	☒	☒	☒
Daylight running light	☐	☒	☒	☐	☒	☒	☐	☒	☒
A-pillar top LED indicators and position lights	☒	☒	☒	☒	☒	☒	☒	☒	☒



Standard and optional equipment

Standard: ☒

Optional: ☐

Equipment variants. 5/9

	200 Vario V Gen3 Power	200 Vario V Gen3 Profi	Profi+	200 Vario F Gen3 Power	200 Vario F Gen3 Profi	200 Vario F Gen3 Profi+	200 Vario P Gen3 Power	200 Vario P Gen3 Profi	200 Vario P Gen3 Profi+
LED rotating beacons	☐	☐	☐	☐	☐	☐	☐	☐	☐
Chassis									
Front axle suspension self-levelling, anti-roll control, lockable	☐	☐	☐	☐	☐	☐	☐	☐	☐
Front axle suspension self-levelling, lockable			☐		☐	☐		☐	☐
Steering brake		☒	☒	☒	☒	☒	☒	☒	☒
Compressed air system 2-circuit system	☐	☐	☐	☐	☐	☐	☐	☐	☐
4WD / differential locks									
Automatic all-wheel drive and differential locking with steering angle sensors	☒	☒	☒	☒	☒	☒	☒	☒	☒
Automatic front differential lock							☒	☒	☒
Comfort engagement controls for 4WD / differential locks	☒	☒	☒	☒	☒	☒	☒	☒	☒
Rear / front differential with 100% disc locking and steering angle sensors	☒	☒	☒	☒	☒	☒			
Rear/front differential with 100% disc locking	☒	☒	☒	☒	☒	☒			



Standard and optional equipment

Standard: ☒

Optional: ☐

Equipment variants. 6/9

	200 Vario V Gen3 Power	200 Vario V Gen3 Profi	Profi+	200 Vario F Gen3 Power	200 Vario F Gen3 Profi	200 Vario F Gen3 Profi+	200 Vario P Gen3 Power	200 Vario P Gen3 Profi	200 Vario P Gen3 Profi+
Power lift									
Tractive power and stepless mixed control	☒	☒	☒	☒	☒	☒	☒	☒	☒
Clearance, position control	☒	☒	☒	☒	☒	☒	☒	☒	☒
Front power lift	☐	☐	☐	☐	☐	☐	☐	☐	☐
Sa front power lift, with external control (separate valve)	☐	☐	☐	☐	☐	☐	☐	☐	☐
Single-action Comfort front power lift with position adjustment and external controls							☐	☐	☐
Dual-action comfort front power lift with position control and relief control, external controls							☐	☐	☐
Electrohydraulic power lift sa (EHR), with external controls	☒	☒	☒	☒	☒	☒	☒	☒	☒
Externally controlled rear power lift	☒	☒	☒	☒	☒	☒	☒	☒	☒
Shock load stabilising, electro-hydraulic power lift control	☒	☒	☒	☒	☒	☒	☒	☒	☒
Swinging power lift	☒	☒	☒	☒	☒	☒			
Mech. lateral and tilt control	☒	☒	☒	☒	☒	☒			



Standard and optional equipment

Standard: ☒

Optional: ☐

Equipment variants. 7/9

	200 Vario V Gen3 Power	200 Vario V Gen3 Profi	Profi+	200 Vario F Gen3 Power	200 Vario F Gen3 Profi	200 Vario F Gen3 Profi+	200 Vario P Gen3 Power	200 Vario P Gen3 Profi	200 Vario P Gen3 Profi+
Hydr. lateral and tilt adjustment with enhanced actuation	☐	☐	☐	☐	☐	☐			
Rear power lift relief control		☐	☐		☐	☐			
Steep lift	☐	☐	☐	☐	☐	☐	☐	☐	☐

PTO

Front: 540E rpm	☐	☐	☐	☐	☐	☐	☐	☐	☐
Front: 1000 rpm	☐	☐	☐	☐	☐	☐	☐	☐	☐
Rear PTO 540/WZW/750 rpm	☐	☐	☐	☐	☐	☐	☐	☐	☐
Rear PTO 540/540E/1000 rpm	☒	☒	☒	☒	☒	☒	☒	☒	☒
External controls for rear PTO	☒	☒	☒	☒	☒	☒	☒	☒	☒

Hydraulics

Tilt control indicator, swinging power lift	☐								
EHS valve actuation crossgate lever, multi-function joystick	☒	☒	☒	☒	☒	☒	☒	☒	☒
EHS valve actuation linear module		☒	☒		☒	☒		☒	☒
Hydraulic tandem pump, hydraulic oil cooler (42+ 33 l/min)	☒			☒			☒		
Load sensing system with axial piston pump (48+71 l/min)	☐	☒	☒	☐	☒	☒	☐	☒	☒



Standard and optional equipment

Standard: ☒

Optional: ☐

Equipment variants. 8/9

	200 Vario V Gen3 Power	200 Vario V Gen3 Profi	Profi+	200 Vario F Gen3 Power	200 Vario F Gen3 Profi	200 Vario F Gen3 Profi+	200 Vario P Gen3 Power	200 Vario P Gen3 Profi	200 Vario P Gen3 Profi+
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		☐	☐		☐	☐		☐	☐
7th and 8th EHS valve centre left		☐	☐		☐	☐		☐	☐
Up to 8 electr. proportional valves		☐	☐		☐	☐		☐	☐
Hydraulic power beyond connection		☐	☐		☐	☐		☐	☐
Return middle right	☒	☒	☒	☒	☒	☒	☒	☒	☒
Return rear	☒	☒	☒	☒	☒	☒	☒	☒	☒
CUP coupling rear	☐	☐	☐	☐	☐	☐	☐	☐	☐
Bio hydraulic oil	☐	☐	☐	☐	☐	☐	☐	☐	☐

Additional equipment

Manual hitch	☒	☒	☒	☒	☒	☒	☒	☒	☒
Automatic trailer hitch without remote control, rear	☐	☐	☐	☐	☐	☐	☐	☐	☐
Front weights, various sizes	☐	☐	☐	☐	☐	☐	☐	☐	☐
Wheel weights, rear wheels	☐	☐	☐	☐	☐	☐	☐	☐	☐

Equipment variants. 9/9



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Standard and optional equipment

Standard: ☒

Optional: ☐

	200 Vario V Gen3 Power	200 Vario V Gen3 Profi	Profi+	200 Vario F Gen3 Power	200 Vario F Gen3 Profi	200 Vario F Gen3 Profi+	200 Vario P Gen3 Power	200 Vario P Gen3 Profi	200 Vario P Gen3 Profi+
Implement mounting plate	☐	☐	☐	☐	☐	☐	☐	☐	☐

Fendt Services

Fendt Services.



fendt.com | Fendt is a worldwide brand of AGCO.

Fendt Services

Fendt Certified / Fent Care

Cost control and planning security



Fendt Services.

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

The best product under the best protective shield.

Extraordinary service partners and service:

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

100% quality. 100 % Service: Fendt Services

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



+44 330 123 9909

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

Fendt Certified / Fendt Care.

Ensure the operation of tomorrow today.

Fendt Demonstration Service

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

Fendt Expert Driver Training

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

Individual financing and leasing models.

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

Fendt Certified – Used machine programme

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

Advantages:

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

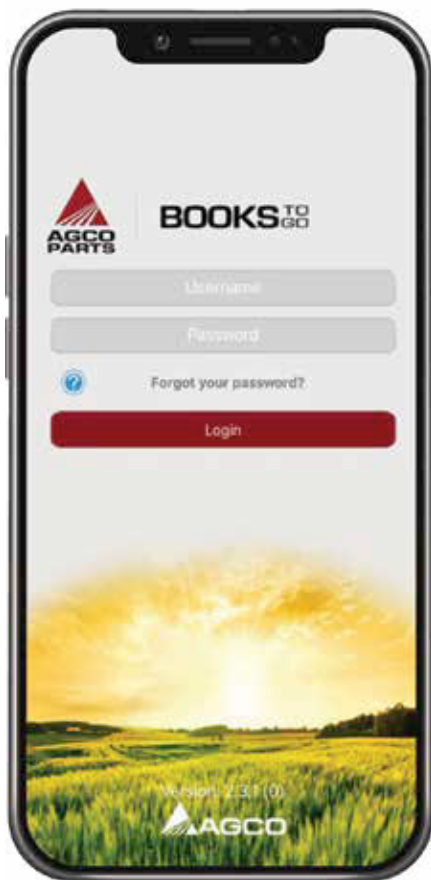
Fendt Care - Maintenance and warranty extension

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

Cost control and planning security.

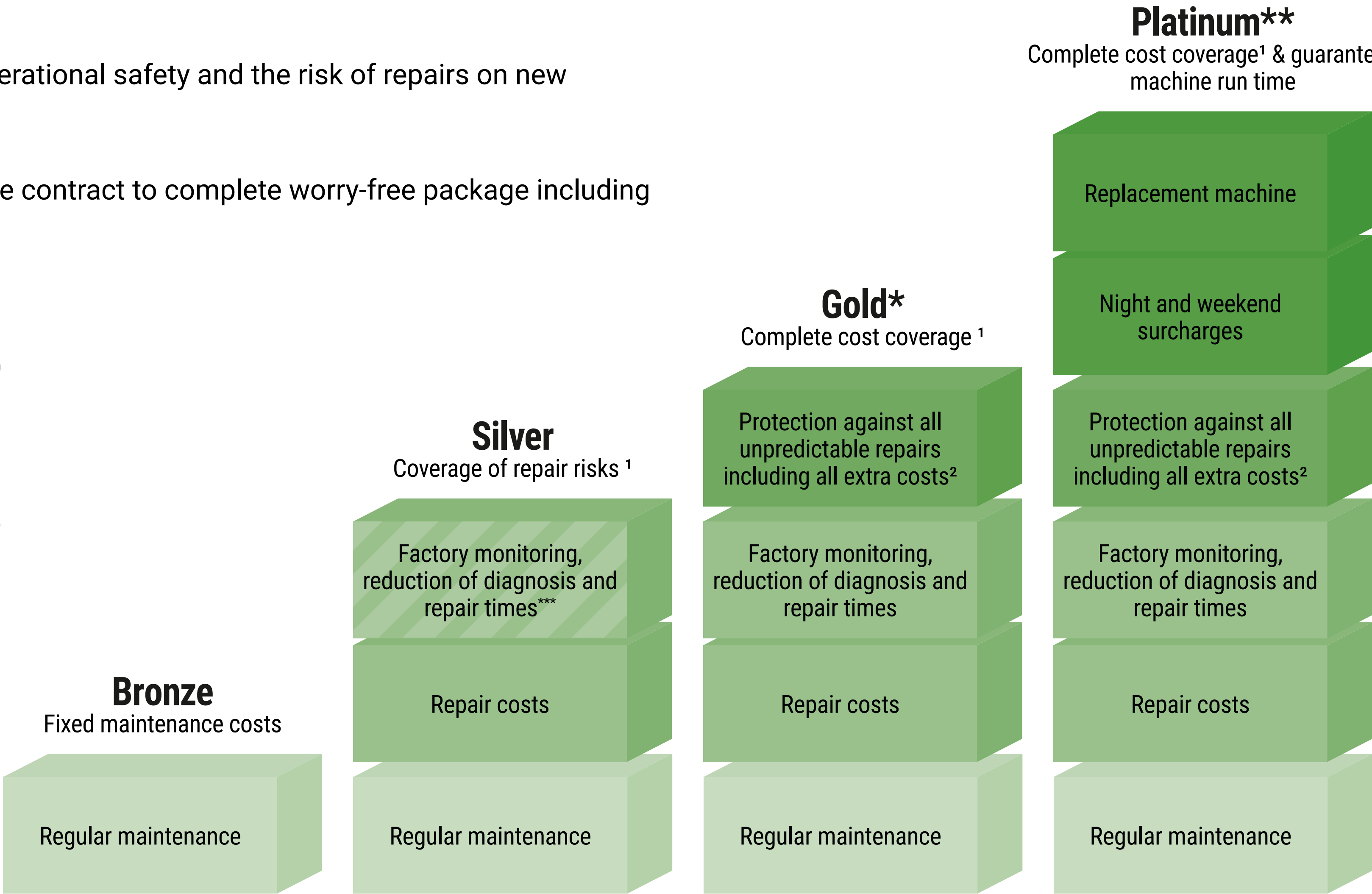
Fendt Care Rates

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



Smartphone-App “AGCO Parts Books to go”

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



	Bronze	Silver	Gold*	Platinum**
		Cost advantages with Fendt Connect (optional)	Only for tractors with Fendt Connect	
Available for	Complete Fendt Portfolio	Complete Fendt Portfolio	Wheeled tractor with Fendt Connect & telescopic handler ⁸	Wheeled tractor with Fendt Connect
Customer benefit (deductible)	Operation safety of the machine	Coverage of large-scale damage³ (490 €) Comprehensive coverage at attractive rates (190 €) Complete coverage with full cost control (0 €)	Complete coverage with full cost control including all extra costs (0 €)	Complete coverage with full cost control including all extra costs & guaranteed machine run time (0 €)
Maximum coverage Warranty extension	 8 Years / 8,000 OH	 5 Years / 3,000 OH  5 Years / 5,000 OH	 3 Years / 2,000 OH⁴  3 Years / 4,000 OH⁵  3 Years / 25,000 Bales⁶  5 Years / 50,000 Bales	 8 Years / 4,000 Pump-H  5 Years / 8,000 OH  5 Years / 750 OH⁷
OH = operating hours; H = hours; ¹ except for wear and tear; ² travel costs, recovery/towing, fault finding with additional diagnosis tools, use of performance test stand, oils and filters, if motor/drive is repaired; ³ only available for self-propelled machines, RG300 & Momentum;⁴only ISOBUS-equipped devices;⁵only PR, VR & XR ;⁶including Rollector;⁷only Momentum 16 & 24;⁸Gold rate for telescopic handler also available without Connect; *Gold rate only available in DE/FR/GB/IT/BG/CZ/EE/HR/HU/LT/FI/LV/MD/RO/RS/SE/SI/SK/UA/AT/LU/NL/CH/BE/BY/NO/PL/DK; **Platinum only available in DE, EN, FR; ***optional with Fendt Connect				