

FENDT

The superior
all-rounder –
Fendt 600 Vario DP

Compact tractors without
compromise



Fendt Vario 600.



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Conception.



1.
Challenge



2.
Technical solution



3.
Benefits

1. Challenge



Challenge.

Customer requirements for compact tractors in the 150 – 210 hp class



The goal is to improve manoeuvrability, increase performance and increase the payload

The conflict of goals currently leads to compromises in this triad. The challenge is to optimise all properties.



The goal for the drive is maximum tractive power and soil protection with low wear and tear

The current rigid four-wheel drive puts tension into the drive train at high tractive power and with that, ground damage and abrasion.



Additional optimisation of individual functions

- Simple operation of the tractor
- Comfort and safety for road transport and maintenance work
- Outstanding visibility and overview
- Low TCO and sustainability
- Modern vehicle with innovative digital features

Challenge.

Which restrictions does today's customer have?

Today's drive technology with four-wheel drive technology has remained essentially unchanged for 70 years. Optimising tractive power means high tension and more ground damage when cornering. More soil protection means less tractive power. No sensors are there to bring everything into line.

Components in the drive train are considered separately – engine, transmission, hydraulics – Each component is improved on its own, but not the entire drive train.

No system architecture when it comes to vehicle software that grows with the vehicle
Vehicles become obsolete after purchase. Adaptation with new options only possible to a limited extent with high effort.

Farm management processes are separate: Documentation and processing on the tractor and in the office in different systems.



2.

Technical solution



5 points that make the difference.

1. Completely new intelligent stepless drive technology VarioDrive for perfect drive on any surface – Previous opposites united

Compact, lightweight and economical 4-cylinder engine – The 620 Vario's maximum torque of up to 950 Nm at 1,200 – 1,600 rpm is well above the average of current comparable 6-cylinder engines in the 200 hp class.

Combination of low-speed, low-rev concept (Fendt iD) with comprehensive DP added performance concept and maximum availability of the Dynamic Performance additional power.

Efficient drive train with permanent four-wheel drive for maximum tractive power and superior ground protection on any surface.

Fully integrated tyre pressure regulation system (VarioGrip) for up to 10% more tractive power* and 8% less fuel consumption* in the field and utilisation of existing tyre technology on both flanged and stub axles.



* Investigation at the South Westphalia University of Applied Sciences of Agricultural Economics in Soest – VarioGrip – Save more than just money with the right tyre pressure – YouTube
<https://www.fendt.com/de/landmaschinen/traktoren/fendt-800-vario-variogrip>

5 points that make the difference.

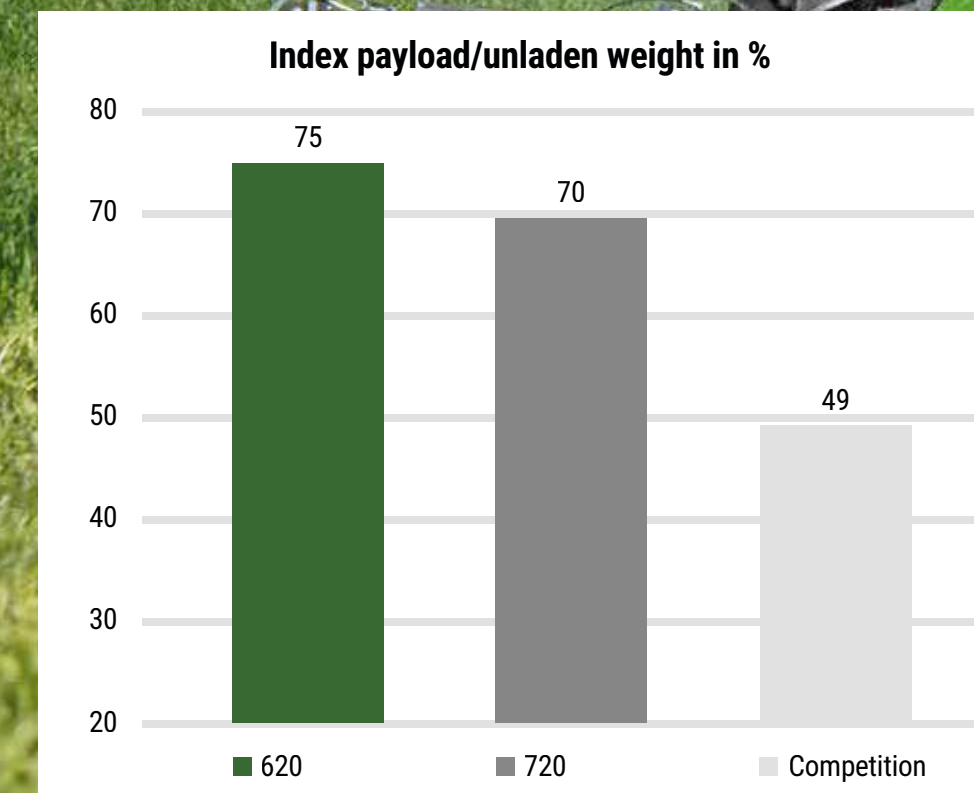
2. Unmatched payload, manoeuvrability and performance in the 200 hp compact – standard tractor class.

Lightweight frame concept designed for maximum strength allows a payload of 5,800 kg, unprecedented in the 200 hp class, with a minimum unladen weight of 7,700 kg. This results in the outstanding payload/unladen weight index of 75%.

Reduction of the power-to-weight ratio to 34.4 kg/hp compared to 39.2 kg/hp on the 720 Vario Gen 6 generation

Best manoeuvrability with a track circle of 10.2 m with permanent four-wheel drive with independent control of the front and rear axles.

Pull-in turn effect pulls the machine into the turn during turning manoeuvres instead of the negative influence on the turning circle caused by conventional rigid four-wheel drive. Easy to use thanks to smart and automatic power distribution with maximum soil protection during grassland and front loading work.



5 points that make the difference.

3. FendtONE operating system with comprehensive sensor technology that grows with the user:

Highest flexibility when equipping the tractor through Smart Feature Unlock – retrofitting software over the air according to the current operating conditions

Future-proof by incorporating new functions even after purchase (e.g., retrofitting of Section Control track guidance software if required – vehicle grows with you and remains up-to-date)

Very simple and intuitive documentation via identical interfaces in the office and in the field through FendtONE onboard and offboard



5 points that make the difference.

4. Pioneering workplace with superior visibility and safety concept

- 77 degree upward viewing angle, driver all-round vision index of 72 %, low-vibration and quiet workplace
- Trailer brake assistant for more safety with pneumatically braked trailers
- ErgoSteer joystick steering for fast turning manoeuvres and relaxed working on headlands and front loader work
- Cat. 4 cab protection concept ex works with filter protection function according to EN15695*: Protection against dust, liquid crop protection agents and their vapours
- Compact vehicle with short front projection for maximum visibility and safety in road traffic



5 points that make the difference.

5. Best overall package in the compact tractor for universal use in grassland, arable farming, front loader and transport

- Lightweight basic vehicle with maximum payload and outstanding manoeuvrability
- VarioDrive with permanent, tension-free four-wheel drive: perfect symbiosis of maximum tractive power, superior ground protection on any surface without tension and stress for the driver
- Perfect drive train from a single source with engine, transmission and hydraulics for the lowest total costs per operating hour thanks to Fendt iD low-speed concept, VarioDrive and VarioGrip tyre pressure regulation system
- Best overview with 77 degree viewing angle and 72 % all-round vision index



3.

Benefits



Future-proof overall package.

Compact standard tractor 2.0



Productivity and future-proofing:

- Combination of the best manoeuvrability in the 200 hp class and highest payload with 5.8 t at the lowest power-to-weight ratio of 34.4 kg/hp – superior payload/unladen weight index – of 75 %
- Best overview with 77 degree viewing angle and 72 % all-round vision index
- Quiet, safe and efficient transport
- Perfect overall coordination for productive front loader work
- Future-proof through FendtONE upgradeability – onboard and offboard



Efficiency

- VarioDrive with permanent four-wheel drive: perfect symbiosis of maximum tractive power and superior ground protection on any surface without tension and stress for the driver
- Perfect drive train from a single source with engine, transmission and hydraulics for the lowest total costs per operating hour thanks to Fendt iD, VarioDrive and VarioGrip



Performance:

- New 4-cylinder engine generation AP CORE 50: Combines low-speed concept and high torque;
- Up to 209 hp rated and 224 hp maximum power via intelligent power boost concept (Fendt DP) for quiet, powerful and economical operation
- Approved for alternative fuels according to DIN 15940 (among others, HVO)



Sustainability

- VarioDrive: Superior drive technology for more tractive power, less ground damage, less wear and tear
- VarioGrip tyre pressure regulation system fully integrated for ground protection, up to 10% more tractive power, 8% less fuel consumption and superior ground care
- Powerful hydraulic performance – Flow capacity of up to 205 l/min with leakage-free, efficient FFC couplings

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Fendt 600 Vario

Naturally superior.

As at 01/2024

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Engine		614 Vario	616 Vario	618 Vario	620 Vario
Rated power/max. Power	kW/HP	110/149	124/169	139/189	154/209
Maximum power DP ECE R 120	kW/HP	121/164	135/184	150/204	165/224

Model Overview.



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	Rated power/ maximum power (kW/ PS) without DP (ECE R120)	Maximum power (kW/ hp) with DP (ECE R120) (constant power)	Max. torque (Nm) with DP
614 Vario DP	110/149	121/164 (1,450 – 1,900 rpm)	793 (1,150 – 1,450)
616 Vario DP	124/169	135/184 (1,500 – 1,900 rpm)	861 (1,200 – 1,500)
618 Vario DP	139/189	150/204 (1,600 – 1,900 rpm)	904 (1,200 – 1,500)
620 Vario DP	154/209	165/224 (1,700 – 1,900 rpm)	950 (1,200 – 1,600)



At a glance.

Fendt 600 Vario – Naturally superior.

- Power segment 149 – 209 hp (+15 hp for each model thanks to the DynamicPerformance additional performance concept)
- New generation engine from AGCO Power – AGCO Power CORE50:
 - First 4-cylinder engine with up to 224 hp incl. DynamicPerformance
 - 5.0 l capacity
 - Full of power, acceleration and torque
- VarioDrive drive train (TA 150) with variable four-wheel drive and intelligent longitudinal differential
- Fendt iD low-speed concept (nominal speed: 1,900 rpm)
- Extremely low fuel consumption thanks to technology from the large tractor sector
- Outstanding manoeuvrability: turn radius of only 10.2 m with 540/65 R30 tyres
- New front loader generation: Fendt CargoProfi 4.85, 5.85 and 5.90
- Integrated tyre pressure control system VarioGrip – unique in the 150 - 210 hp class
- High payload of up to 5.8 t – extremely low power-to-weight ratio of only 34 kg/hp
- High payload/operating weight index of 75% – (5.8 t payload / 7.7 t operating weight)
- High ground clearance of up to 55 cm
- 60" track
- VisioPlus cab with optional cat. 4 filter protection function according to EN15695*: Protection against dust, liquid crop protection agents and their vapours
- Outstanding overview with composite 3 systems: 77% upward viewing angle, 72% all-round visibility index as well as windscreen wipers with up to 300 degrees (front) and 97 degree side wipers
- FendtONE operating philosophy:
 - FendtONE driver workplace (onboard)
 - Planning and management functions with FendtONE offboard
- Trailer Brake Assist (TBA) for increased safety
- Four-speed rear PTO



Fendt 600 Vario

Introduction.



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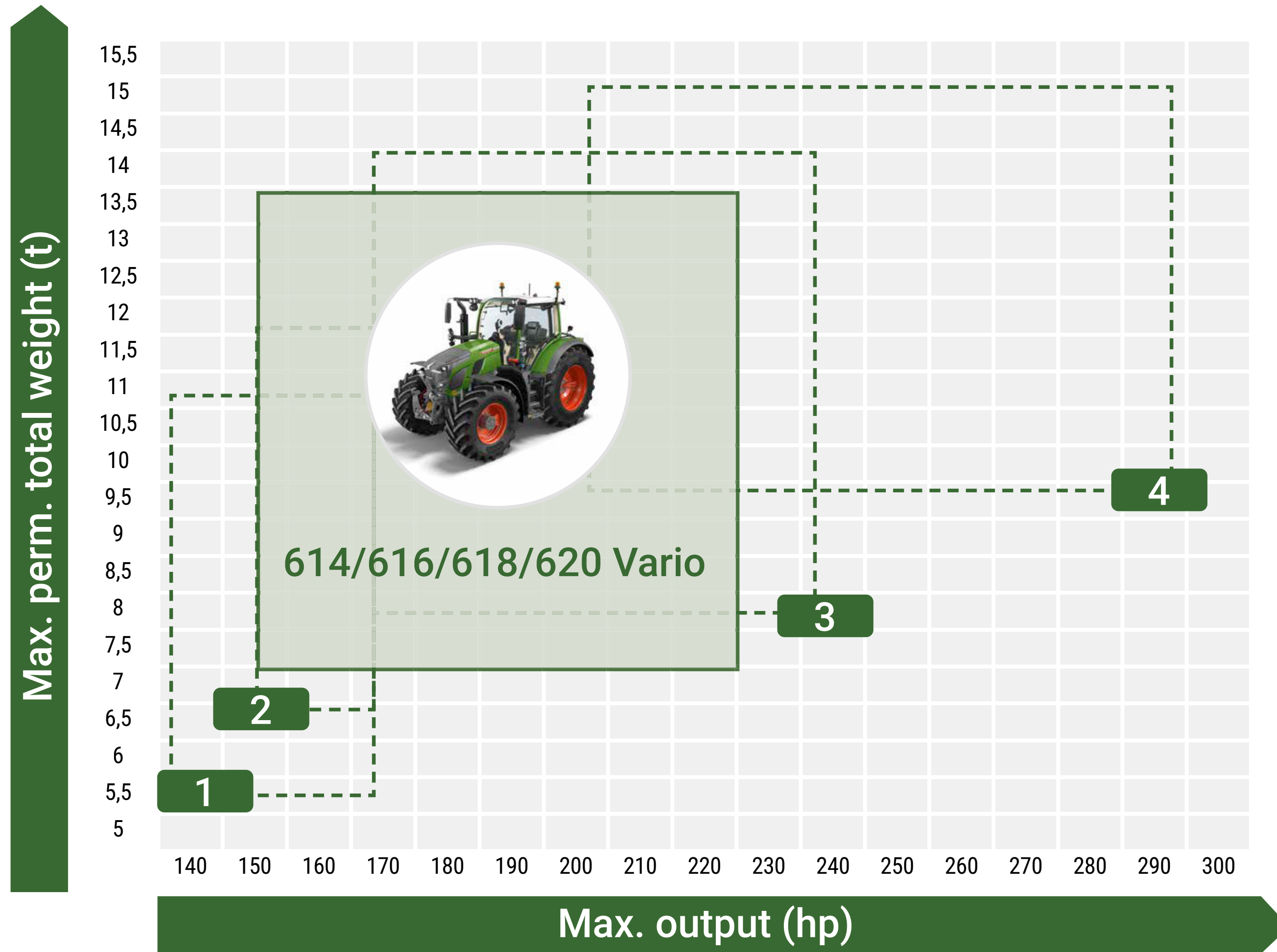
Key comparison data

Equipment lines

Settings



Key data in comparison.



1 514/516 Vario Gen3



2 714/716 Vario Gen6



3 718/720/722/
724 Vario Gen6



4 720/722/724/726/
728 Vario Gen7

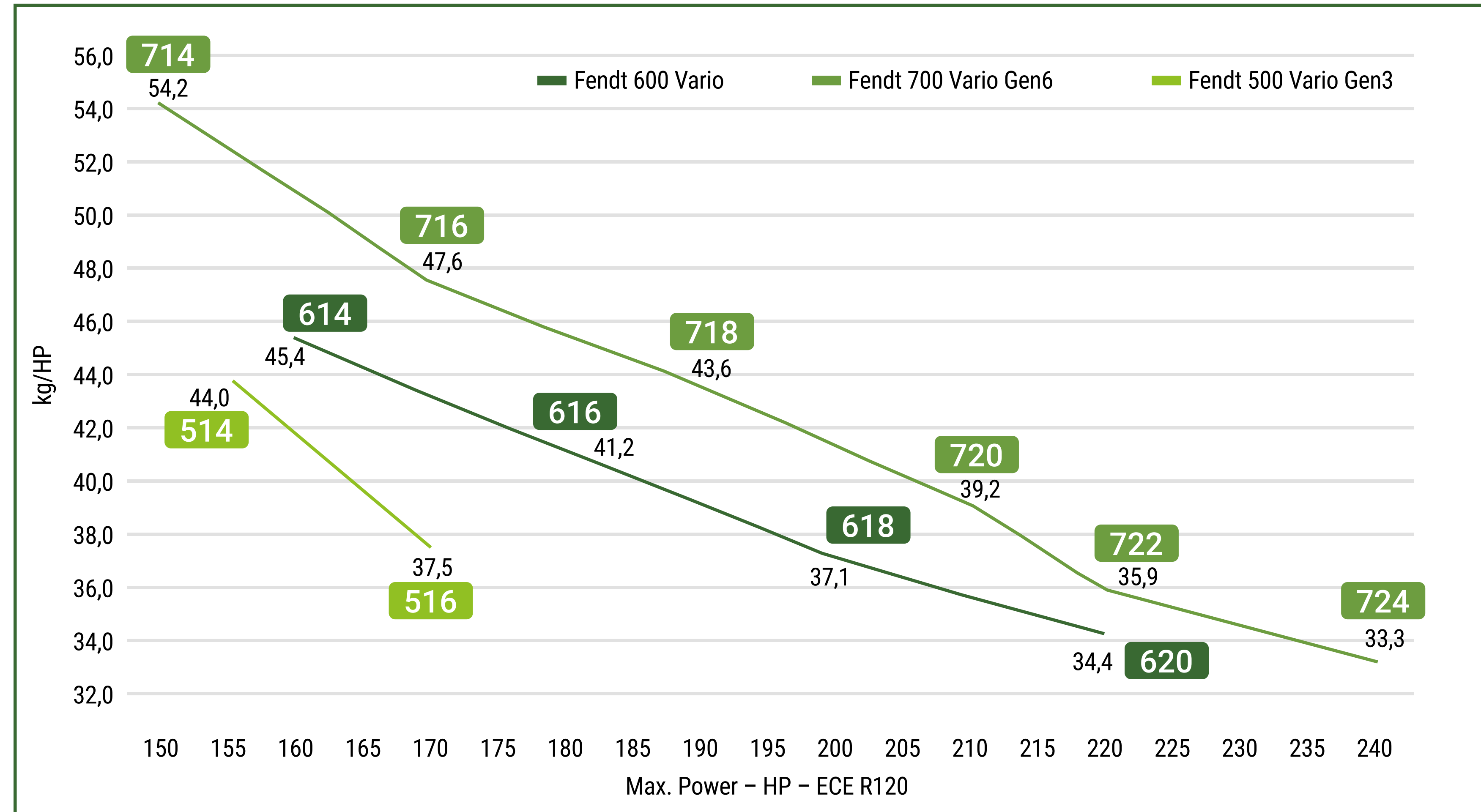


Key data in comparison.

			170 hp class		210 hp class		
			Fendt 516 Vario	Fendt 616 Vario	Fendt 620 Vario	Fendt 720 Vario Gen6	Fendt 820 Vario TMS (2010)
Engine	Rated/Max. power + DP	HP	171/-	169/+15	209/+15	209/-	207/-
	Cyl. /cubic capacity/rated speed	l	4/4,038 2,100	4/5,017/1,900		6/6,056/2,100	6/6,056/2,100
	Max. torque	Nm	699/1,450	861/1,300 – 1,600	950/1,300 – 1,600	911/1,500	895
	Tank capacity Diesel/AdBlue	l	298/31	347/ 37		400/38	340
Transmission	Transmission/rear PTO Speed	Vario	2 range Vario	Single range VarioDrive		2 range Vario	2 range Vario
		Rear PTO	3-stage – 540/540E/1000	4s-540/540E/1000/1000E		4-540/540E/1000/1000E	3s-540/540E/1000
	4WD		Engagement	Permanent		Engagement	Engagement
Hydraulics	Rear linkage/front linkage lifting capacity	kN	7,890/3,420	9,790/4,400		10,360/4,418	9,255/4,526
	Hydraulic pump/removable quantity	l	75/110/158 // 55	152/205 // 65		109/152/193 // 64	110/154
	Rear axle load/front axle load	kg	8500/4800	10,000/6,300		9,500/6,000	8000/5400
Tyres	Standard front tyre diameter	mm	1,410	1,410	1,500	1,500	1,500
	Standard rear tyre diameter	mm	1,850	1,850	1,950	1,950	1,950
Wheel base	Wheel base/Max. ground clearance	mm	2,560/530	2720/550	2720/550	2,783/530	2,720
Manoeuvrability	Turn radius	m		10.1	10.1	10.3	
Weight/load capacity	Operating weight/MCM	kg/mm	6,420	7,620	7,740	8,190	7,200
	Gross vehicle weight rating (50 km/h)	kg	10,500	13,500		14,000	12,500
	Load capacity (50 km/h) - MCM	kg	4,080	5,880	5,760	5,810	5,300

Key data in comparison.

Power-to-weight ratio in kg/hp (operating weight)

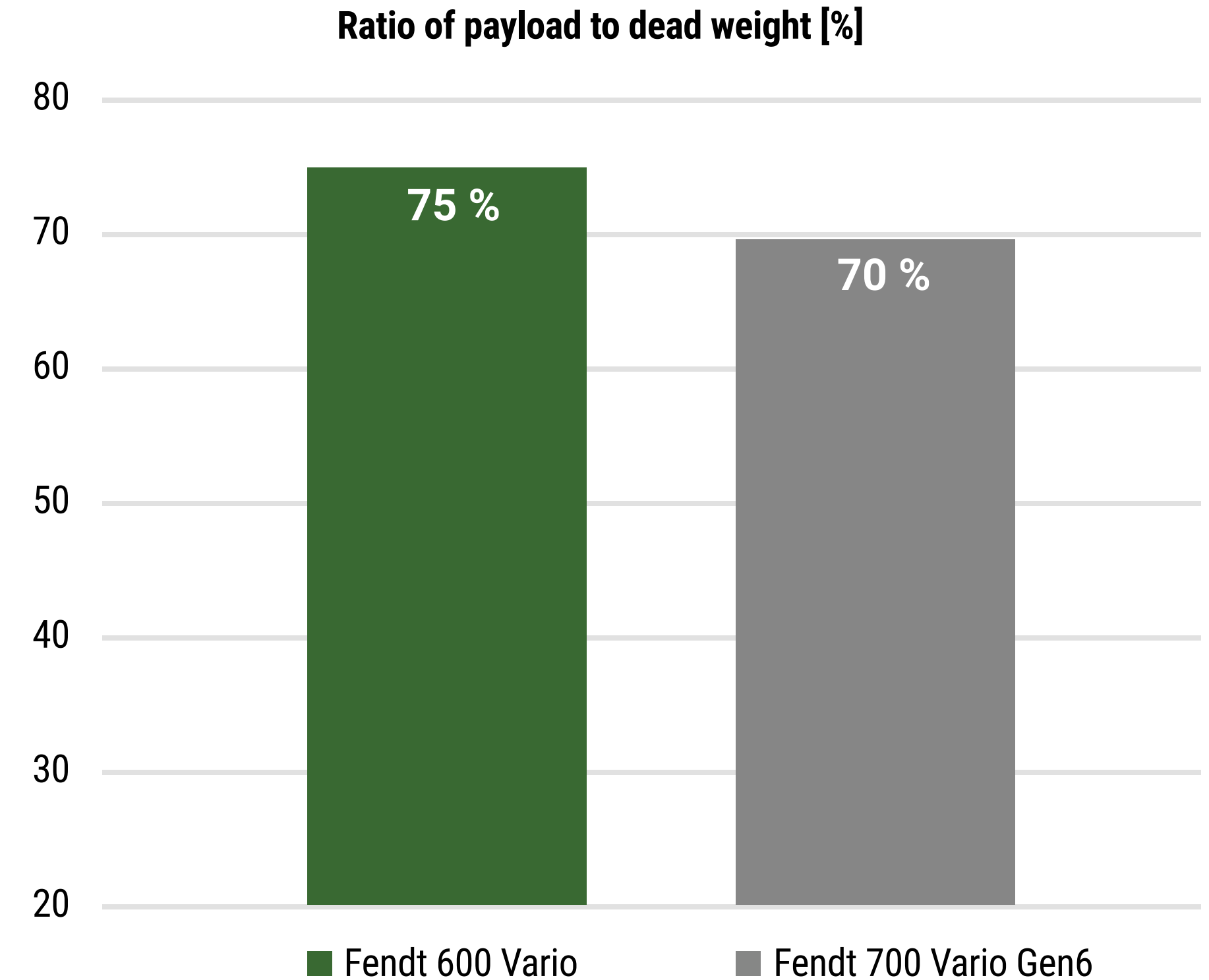


Key data in comparison.

Weights

		620 Vario	720 Vario Gen6
Unladen weight (MCM*)	kg	7,700	8,250
Max. perm. total weight	kg	13,500	14,000
Payload	kg	5,800	5,750
Max. perm. rear axle load (all tracks)	kg	9,000	9,500
Max. perm. rear axle load (for tracks 1,870 – 2,070 mm)	kg	10,000	9,500

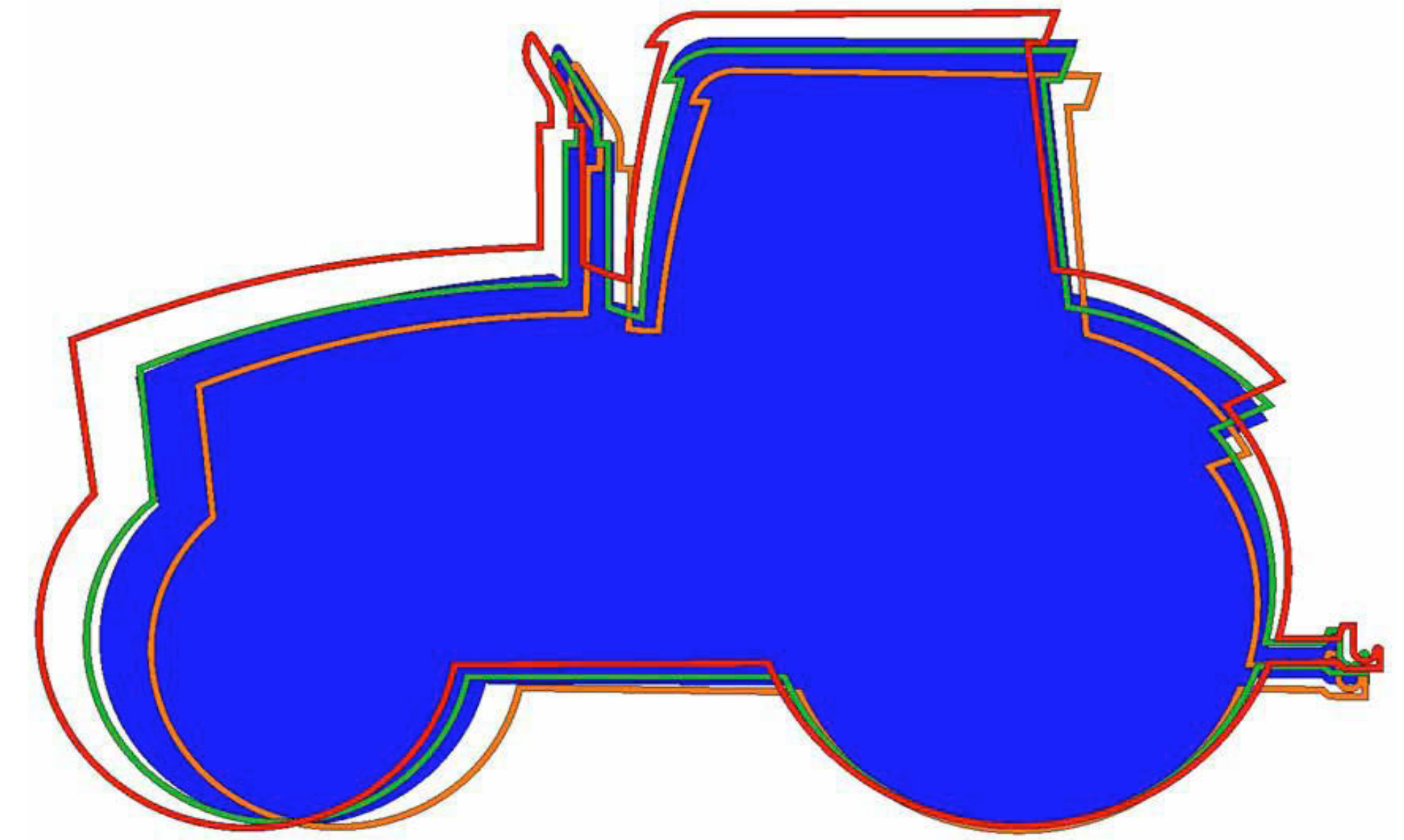
* Most common model (MCM): full tanks, front linkage, rear linkage, rear mechanical top link, full valve equipment



Key data in comparison.

Dimensions

		600 Vario	700 Vario Gen6
Height without guidance receiver	mm	3,075	3,050
Ground clearance (without lowest step)	mm	525	525
Wheel base	mm	2,720	2,783
Track width front	mm	1,950	1,950
Rear track width	mm	1,880	1,920



500 Vario Gen3 600 Vario 700 Vario Gen6 700 Vario Gen7

Equipment lines.

There are 4 different equipment lines to choose from for the Fendt 600 Vario:

- Power
- Power+
- Profi
- Profi+

With "+" always guidance pre-fitting incl. guidance basic package included
Two different settings (Setting 1 and Setting 2) can be selected for each equipment line



Lettering on the outside of the driver's door

Settings.

Equipment lines with different settings

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

	<p>Power Setting 1</p> <ul style="list-style-type: none">• No cross-gate lever• One pair of finger tip spools (linear module) for operating the hydraulic valves
	<p>Power Setting 2</p> <ul style="list-style-type: none">• Cross-gate lever• No finger tip spools (linear module) for operating the hydraulic valves
	<p>Power+ Setting 1</p> <ul style="list-style-type: none">• Cross-gate lever• One pair of finger tip spools (linear module) for operating the hydraulic valves
	<p>Power+ Setting 2</p> <ul style="list-style-type: none">• 3L-Joystick• One pair of finger tip spools (linear module) for operating the hydraulic valves
	<p>Profi Setting 1 / Profi+ Setting 1</p> <ul style="list-style-type: none">• Cross-gate lever• Two pairs of finger tip spools (linear module) for operating the hydraulic valves
	<p>Profi Setting 2 / Profi+ Setting 2</p> <ul style="list-style-type: none">• 3L-Joystick• Two pairs of finger tip spools (linear module) for operating the hydraulic valves

Fendt 600 Vario

Engine.



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Concept

Characteristics

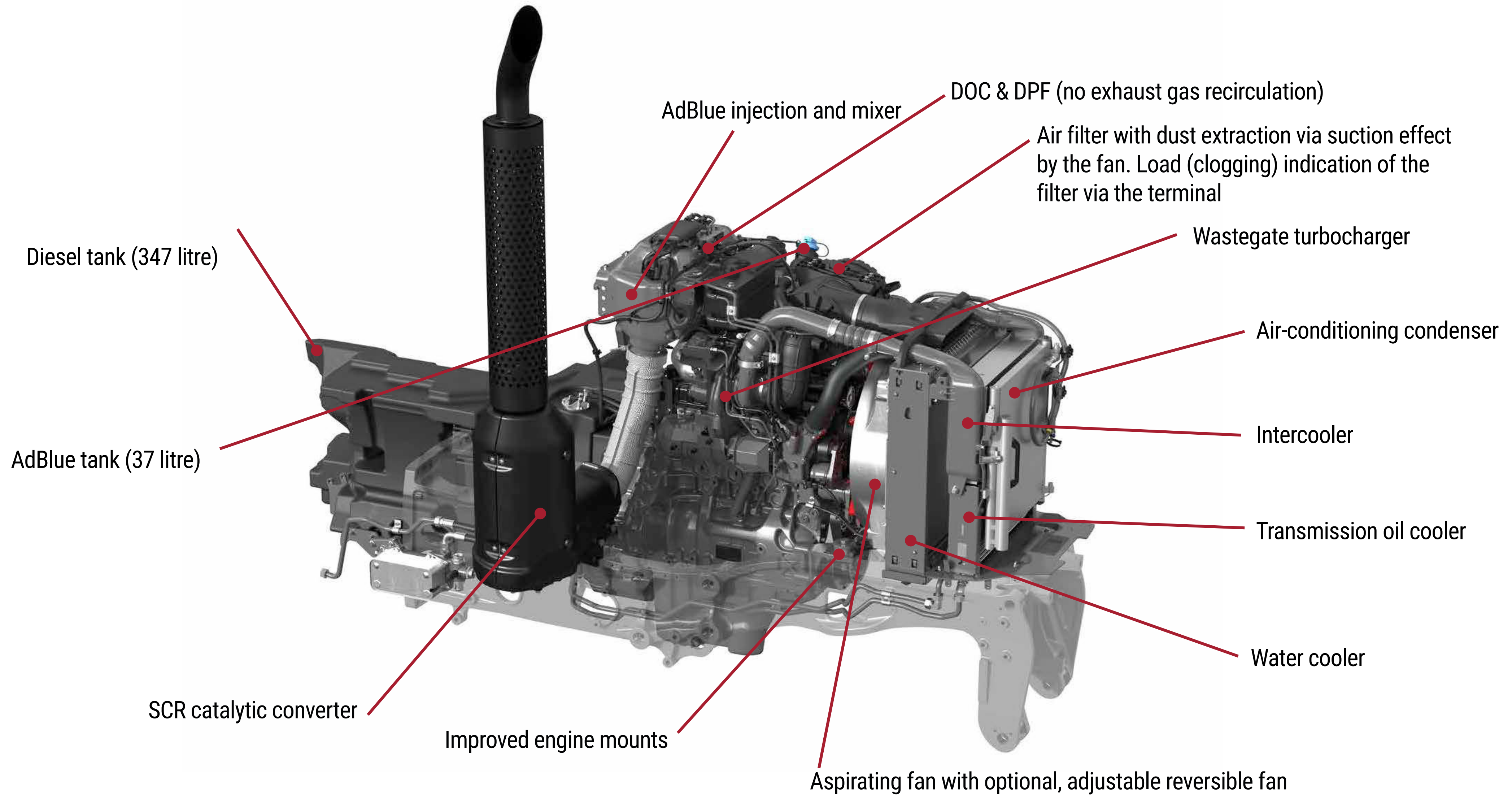
Exhaust gas treatment

Cooling

Fendt DynamicPerformance (DP)



Concept.



Concept.

Features

- New engine generation: AGCO Power CORE50 – 5.0 litre capacity; 4-cylinder CORE engine family is approved for alternative fuels according to DIN EN 15940 (HVO, etc.)
- Fendt iD technology (low speed concept) – speed range from 800/950 rpm (idling) to 1,900 rpm (rated speed)
- DynamicPerformance added performance concept for all models
- Electronically controlled wastegate turbocharger
- Compliance with the limit values for exhaust gas regulations Stage V (EU) and TIER 4 final, as well as LRC
- Hydraulic tappet for automatic valve lash adjustment and smooth, low-vibration engine running

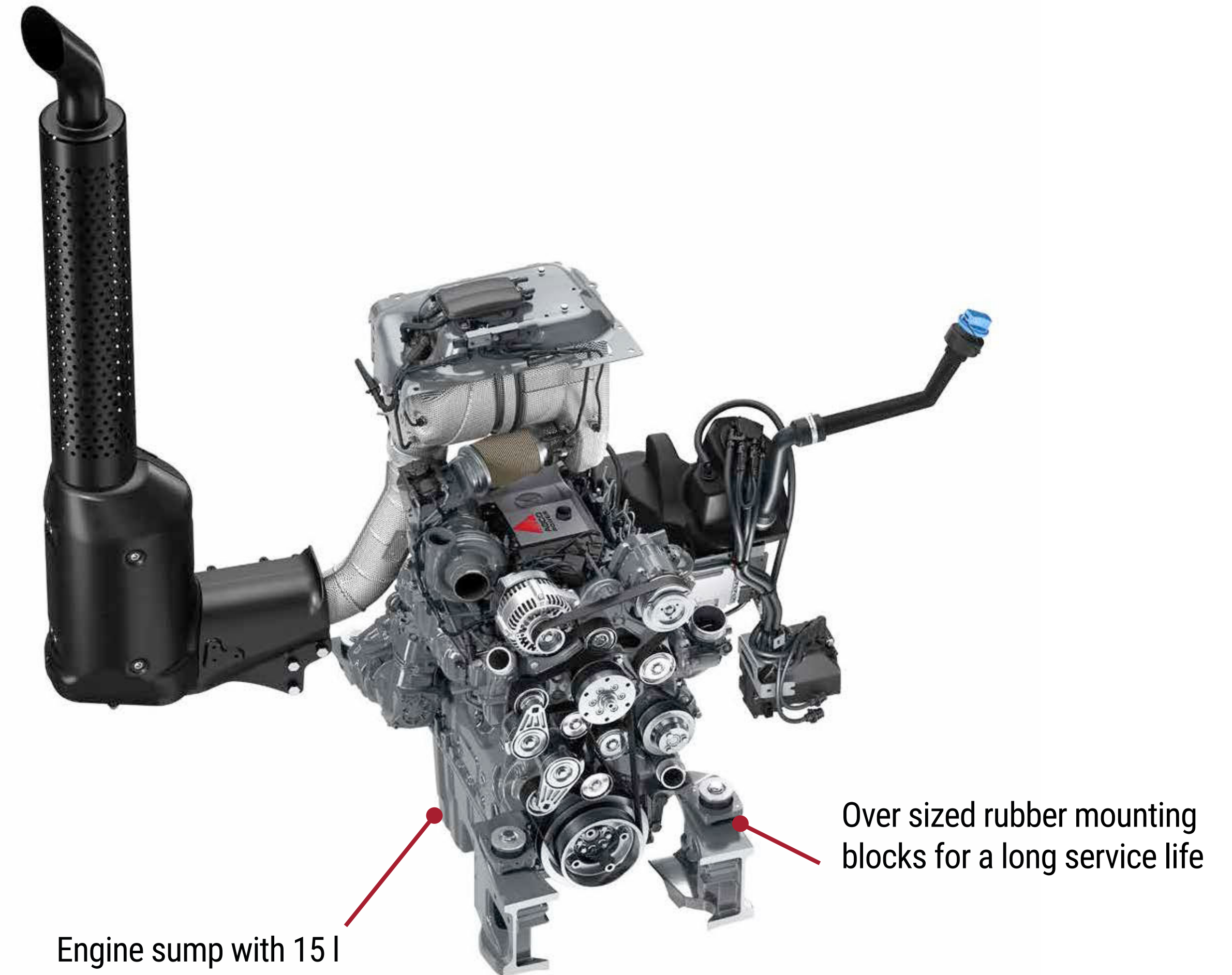


- + Very high power reserves
- + Maximum fuel efficiency through low speed concept
- + Quiet and fuel-saving idling
- + Low noise level of the engine
- + Reduced maintenance thanks to hydraulic tappets

Concept.

Features

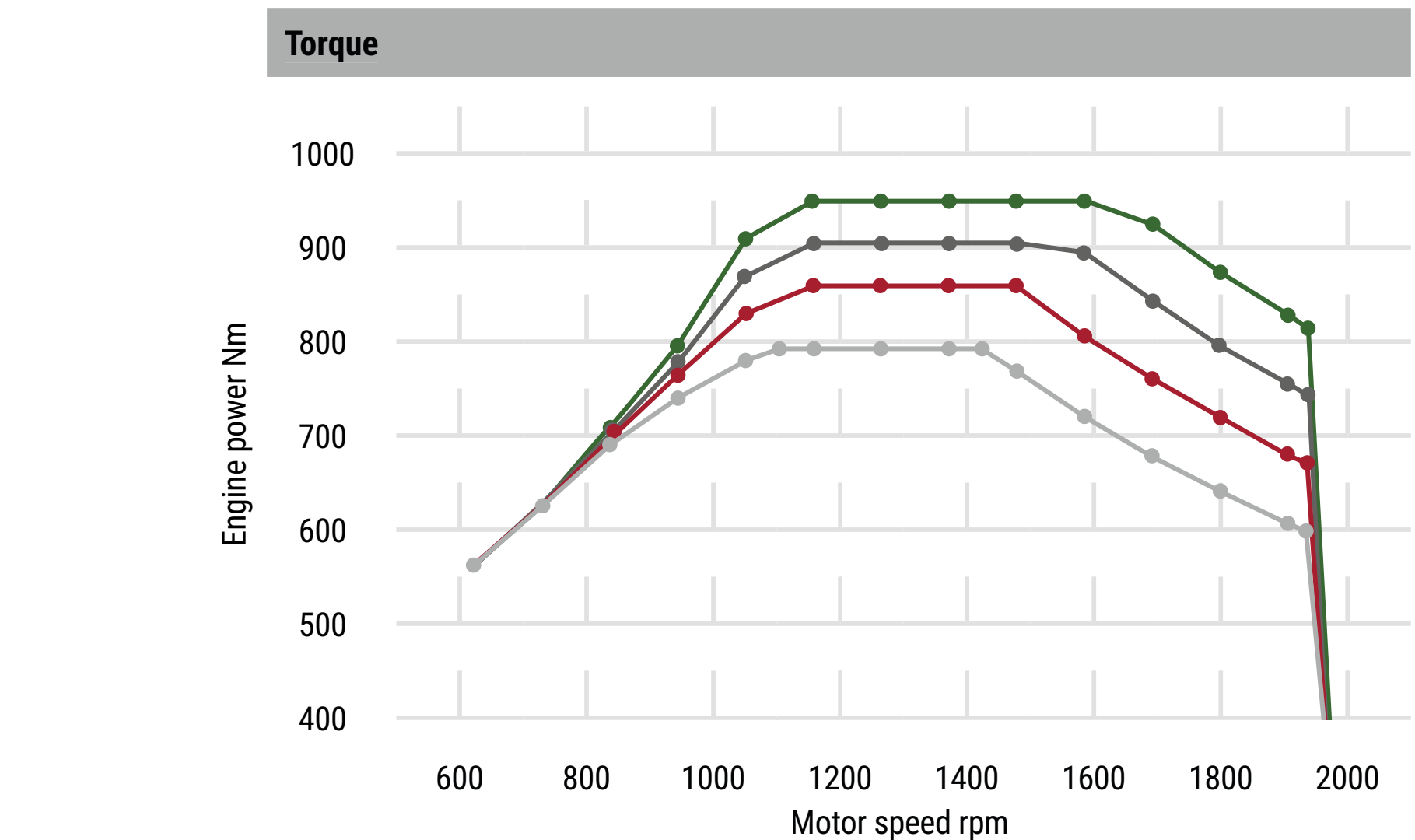
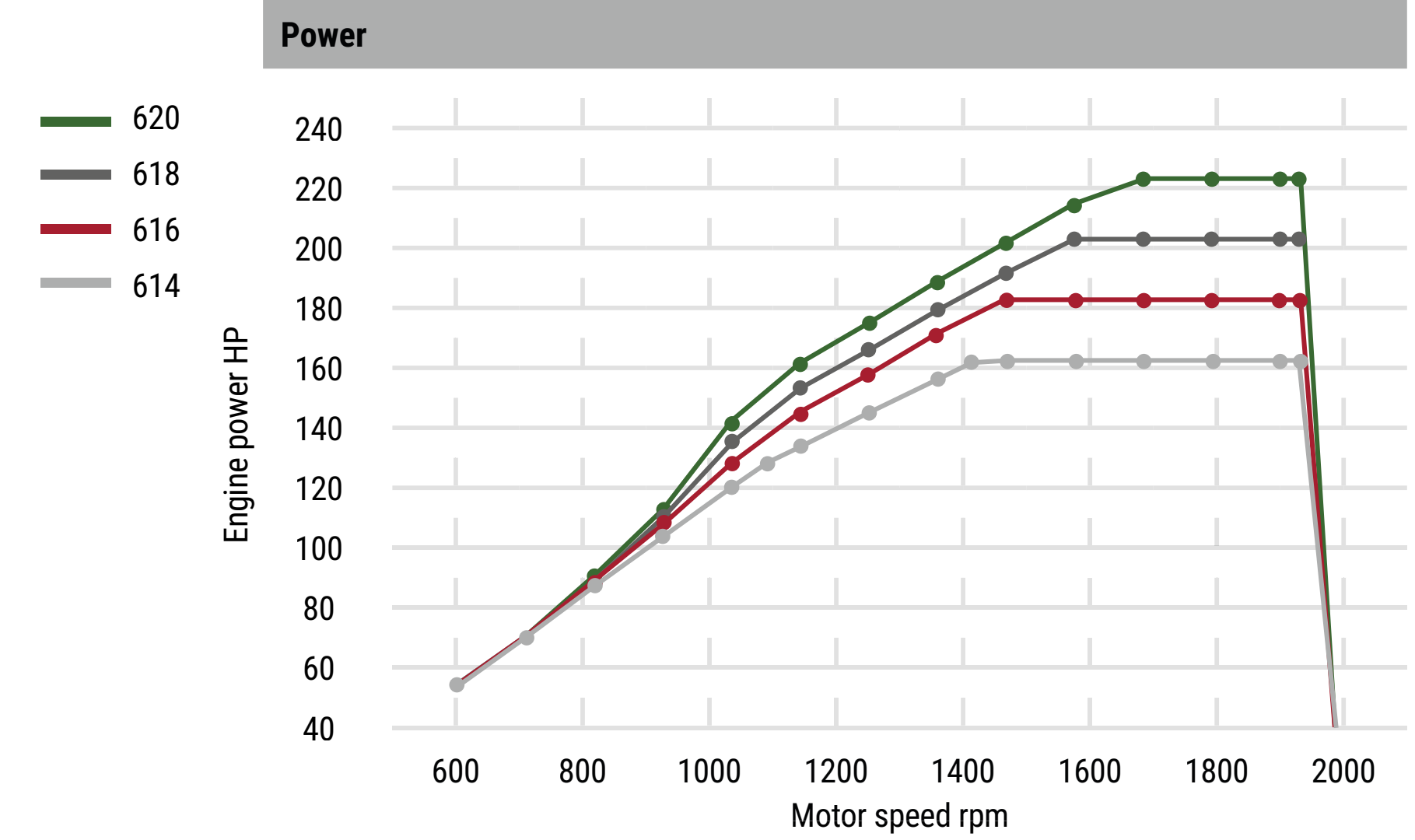
- Common rail system with up to 2,500 bar injection pressure
- Engine oil sump with a volume of 15 litres (for comparison: 17 litres on the Fendt 700 Vario Gen6)
 - Oil service interval: every 500 hr
 - Elimination of the 50 h initial oil change interval



Characteristics.

Power/torque

- Intelligent additional performance concept DynamicPerformance (DP) on all models with up to 15 hp extra performance
- Fendt iD low-speed concept: high torque of 950 Nm even at low engine speeds
 - >> Speed range: of only 800 - 1,900 rpm
 - >> Low rated speed of 1,900 rpm for low fuel consumption, low noise level and less wear
 - >> Full torque curve and full torque from 1,200 rpm
- Engine perfectly matched to VarioDrive driveline
- Max speed at reduced engine speed:
 - 40 km/h at 1,100 rpm
 - 50 km/h at 1,300 rpm
 - >> Max. driving speed is achieved close to the tractor's optimum consumption level
 - >> Fendt 600 Vario therefore also ideal for transport work



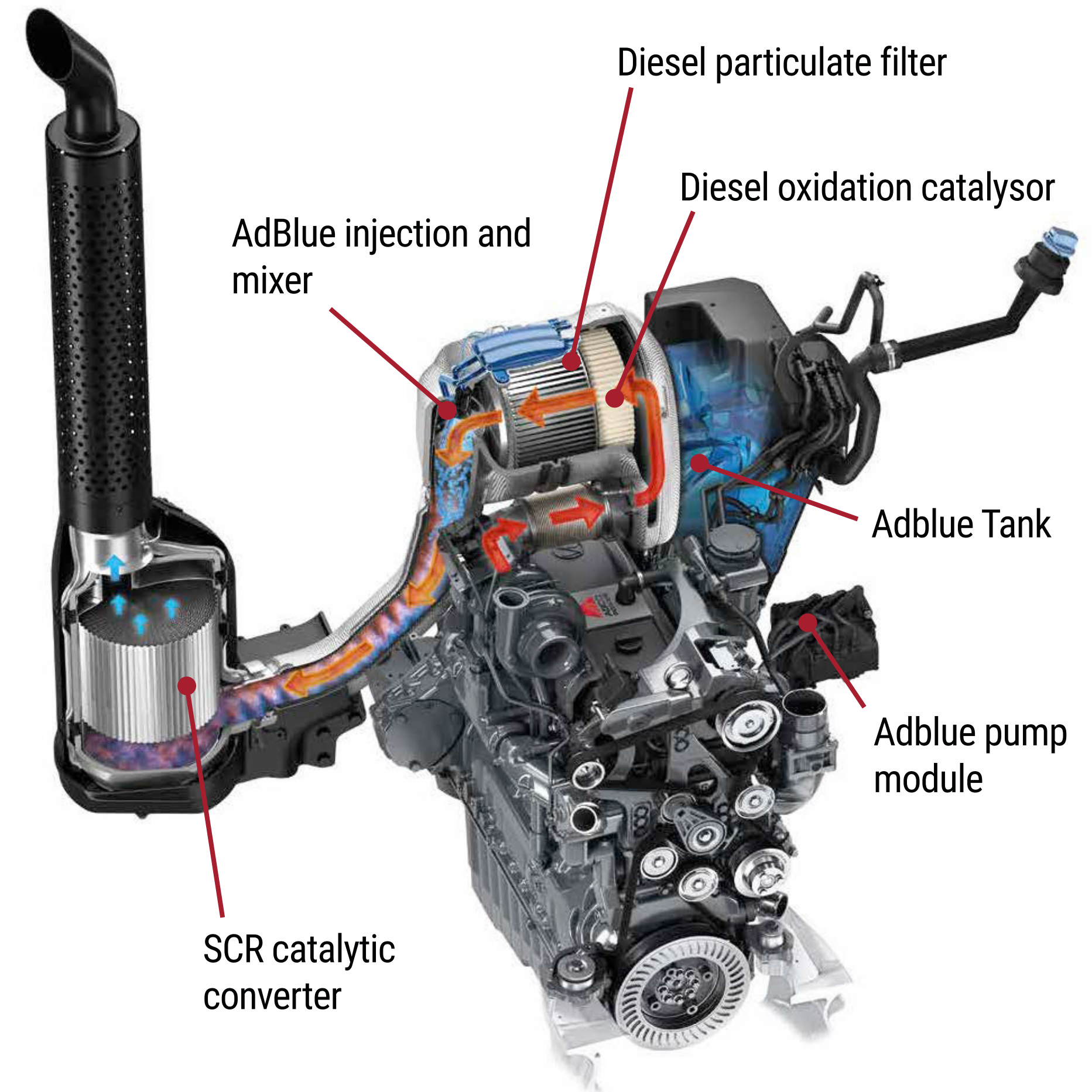
Exhaust gas treatment.

Emission stage V (EU) / emission standard TIER 4 final

- Exhaust gas aftertreatment with
 - Diesel Oxidation Catalysor (DOC)
 - Diesel Particulate Filter (DPF)
 - Selective catalytic reduction (SCR) with AdBlue
- Omission of exhaust gas recirculation
- SCR catalytic converter with optimised visibility positioned in front of the right-hand A-column
- Same components and exhaust treatment system in all markets/for all exhaust stages

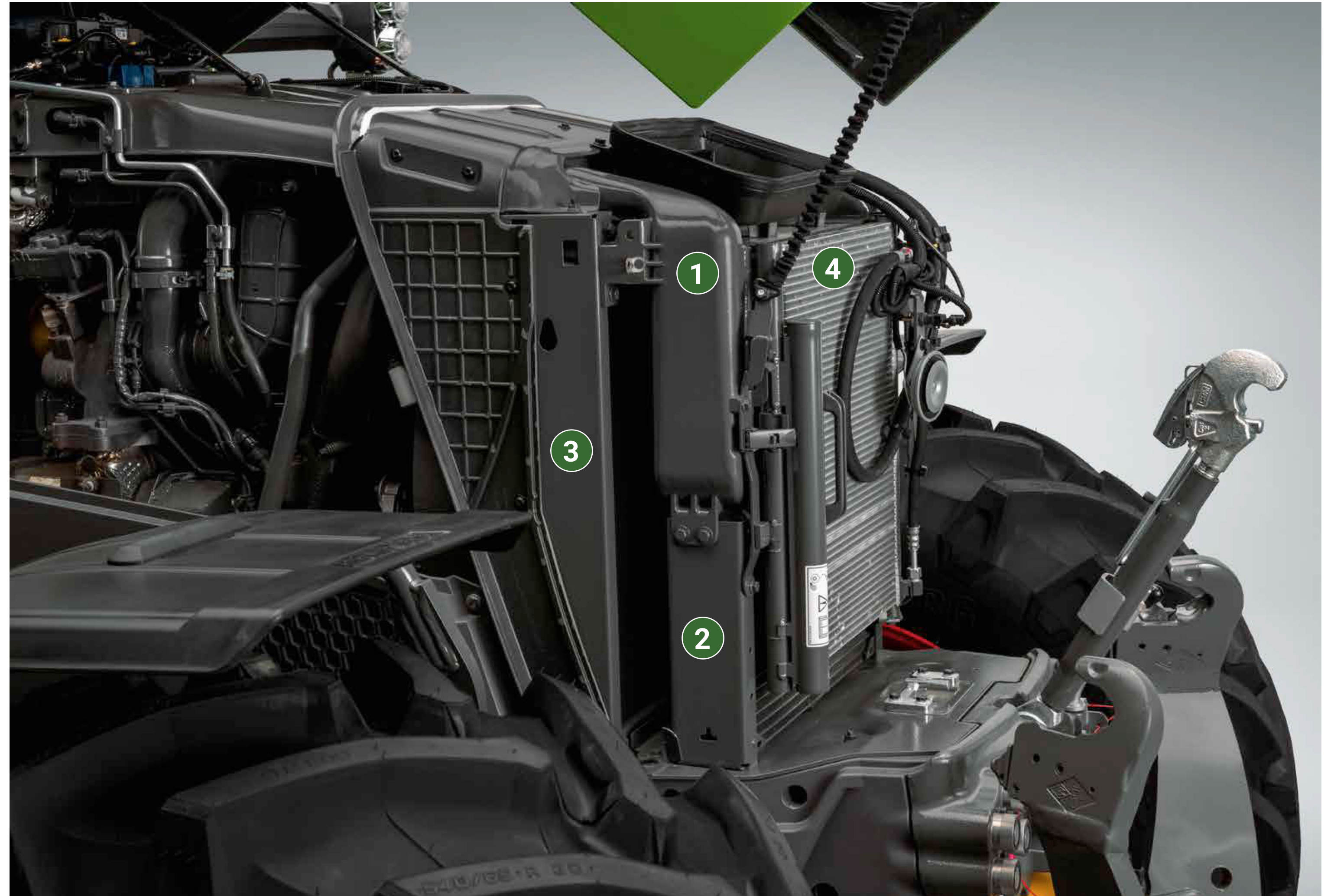
Procedure:

- Diesel oxidation catalytic converter (DOC) reduces carbon monoxide and hydrocarbons
- Diesel particulate filter ensures reduction of particles
- Thanks to common rail high-pressure injection and electronic engine control, combustion is optimised, reducing the number of soot particles to a minimum
- Diesel particulate filter regenerates itself under normal operating conditions; standstill regeneration possible
- SCR technology (Selective Catalytic Reduction) removes the main proportion of nitrogen oxides (NO_x)
- Ideal mixing of AdBlue and exhaust gases, thus achieving a high conversion rate



Cooling.

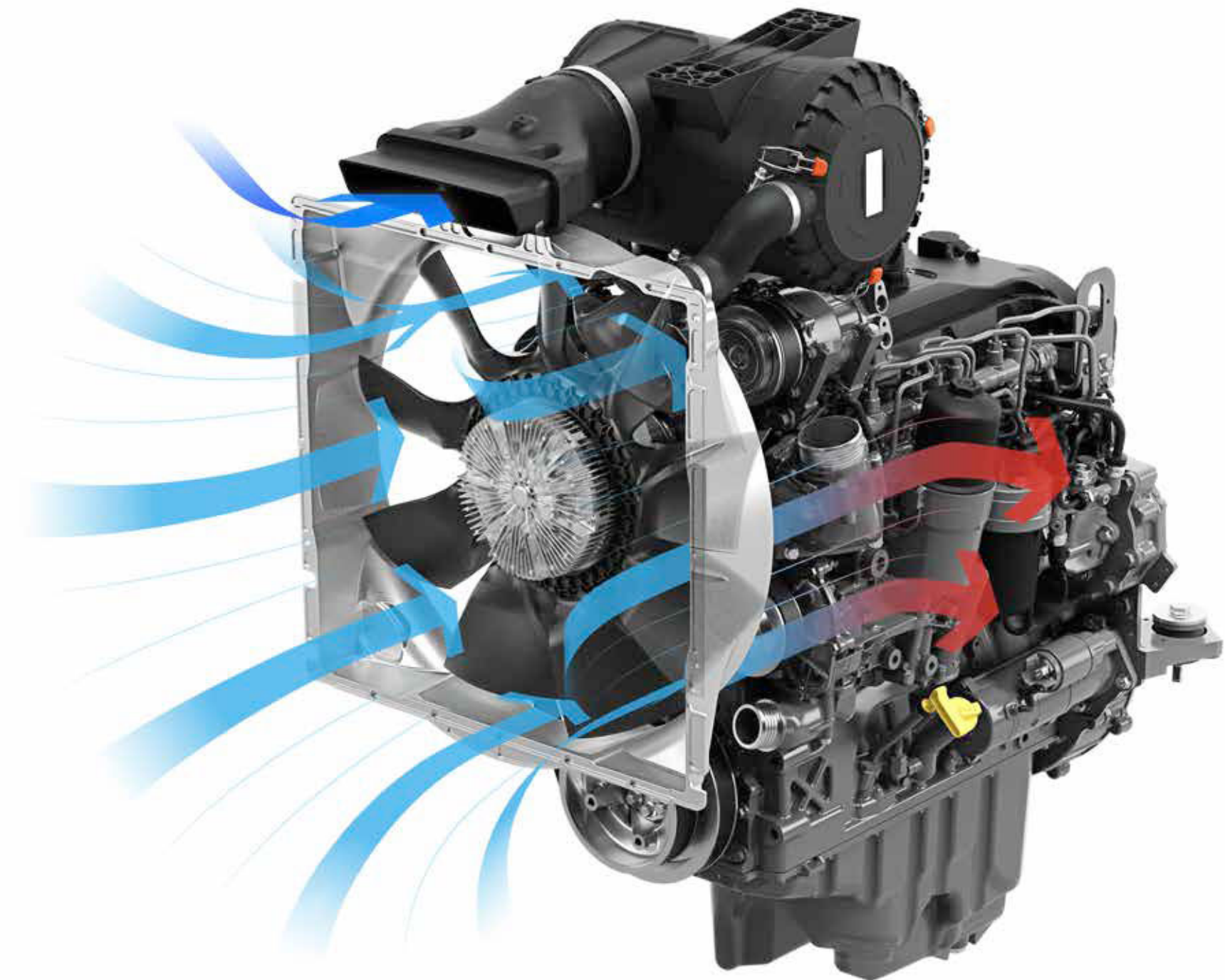
- 1 Intercooler (air - air)
- 2 Transmission oil cooler
- 3 Water cooler
- 4 Air-conditioning condenser



Cooling.

Cooling concept: suction fan

- Electronic visco-fan clutch controls fan speed as required
- Minimum clearance between fan blades and cover
- Cooling management: each cooler can control the fan separately
- No cooling reserves, which means lower ground speed
- Reversible fan function an option

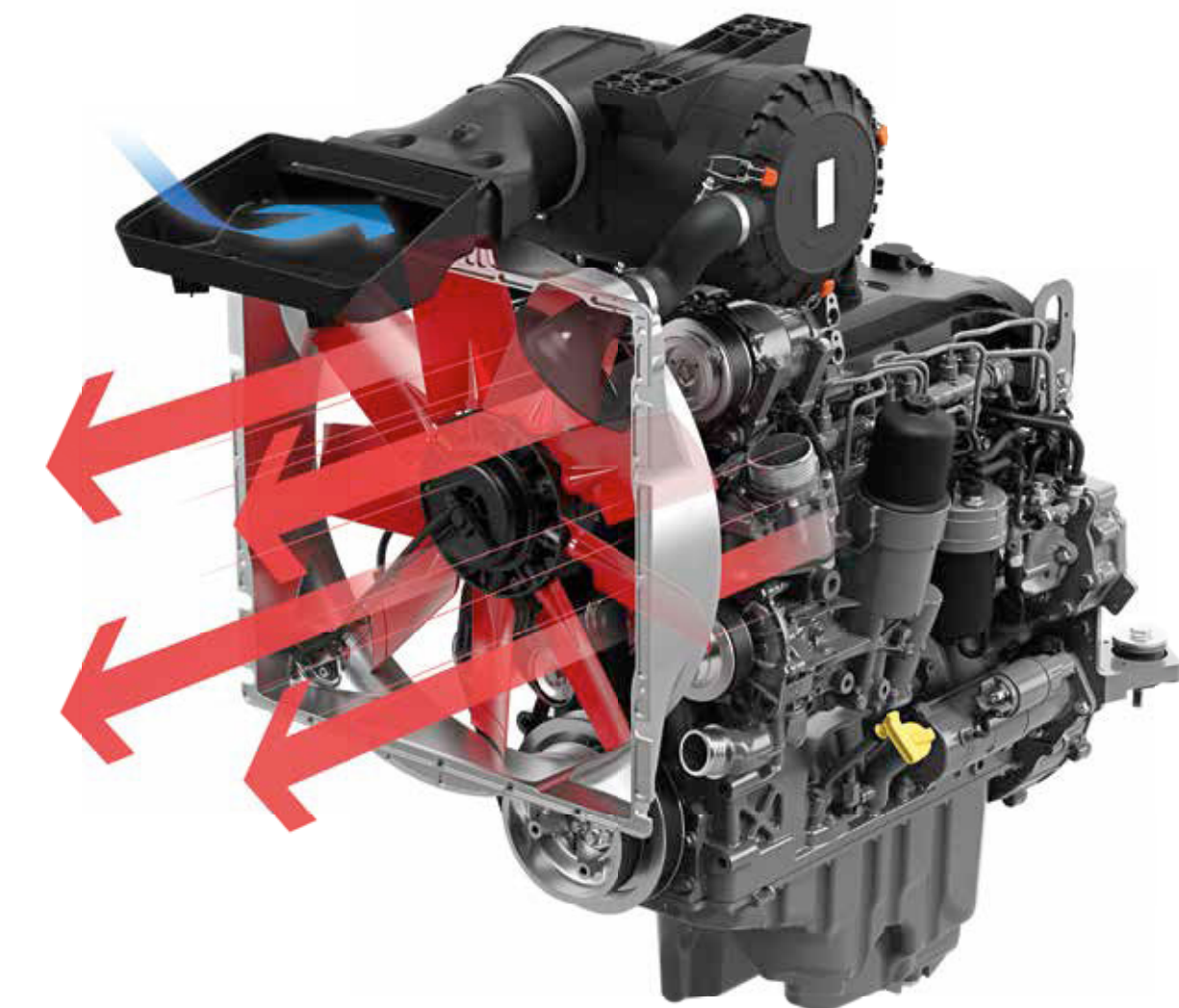


- + Maximum efficiency with minimal clearance
- + Air flow adapts to cooling needs of the individual cooler to cool components in the most efficient way possible
- + Low fan speed with low cooling demand - low fuel consumption
- + Low noise level
- + Low cooler contamination

Cooling.

Adjustable reversible fan function

- Independent cleaning of the radiator grill
- Reversing by adjusting the blades (Hägele system)
- Control via oil medium instead of air medium
- Normal operation: normal direction of rotation
- Control and regulation via terminal:
 - Manual: Activating the reversible fan function in the terminal
 - Automatic: interval-controlled - programmable in the terminal depending on time



- + Optimal for dusty conditions, e.g. mowing, straw baling, non-agricultural use
- + Automation: interval-controlled reversible fan function possible - time-dependent programmable in the terminal
- + Maximum comfort through integration in the Fendt TI headland management system
- + Highest fuel efficiency also with the reversible fan by adapting the cooling capacity to the demand of the individual units

Fendt DynamicPerformance (DP).

Intelligent multi-performance concept

Fendt DynamicPerformance (DP): intelligent additional performance concept that compensates for power losses and ensures consistent work performance.

>> 15 hp more power for all Fendt 600 Vario models

Requirements for an intelligent multi-performance concept:

- Engine power must feed numerous auxiliary consumers in addition to main consumers: whether in tillage, PTO work, transport or PTO work when stationary

Known boost concepts with numerous restrictions in practical use only available in narrowly defined application situations:

- Not designed for continuous operation, not in stationary operation e.g. diet feeder mixer wagon
- Boost power is only available under certain, limited conditions, e.g., from certain driving speeds, activated PTO shaft, etc.



Fendt DynamicPerformance (DP).

Power distribution - main and auxiliary consumers

Main consumer:

- Tractive power over the wheels
- PTO shaft that drives corresponding devices
- Hydraulic pump that drives equipment or controls functions

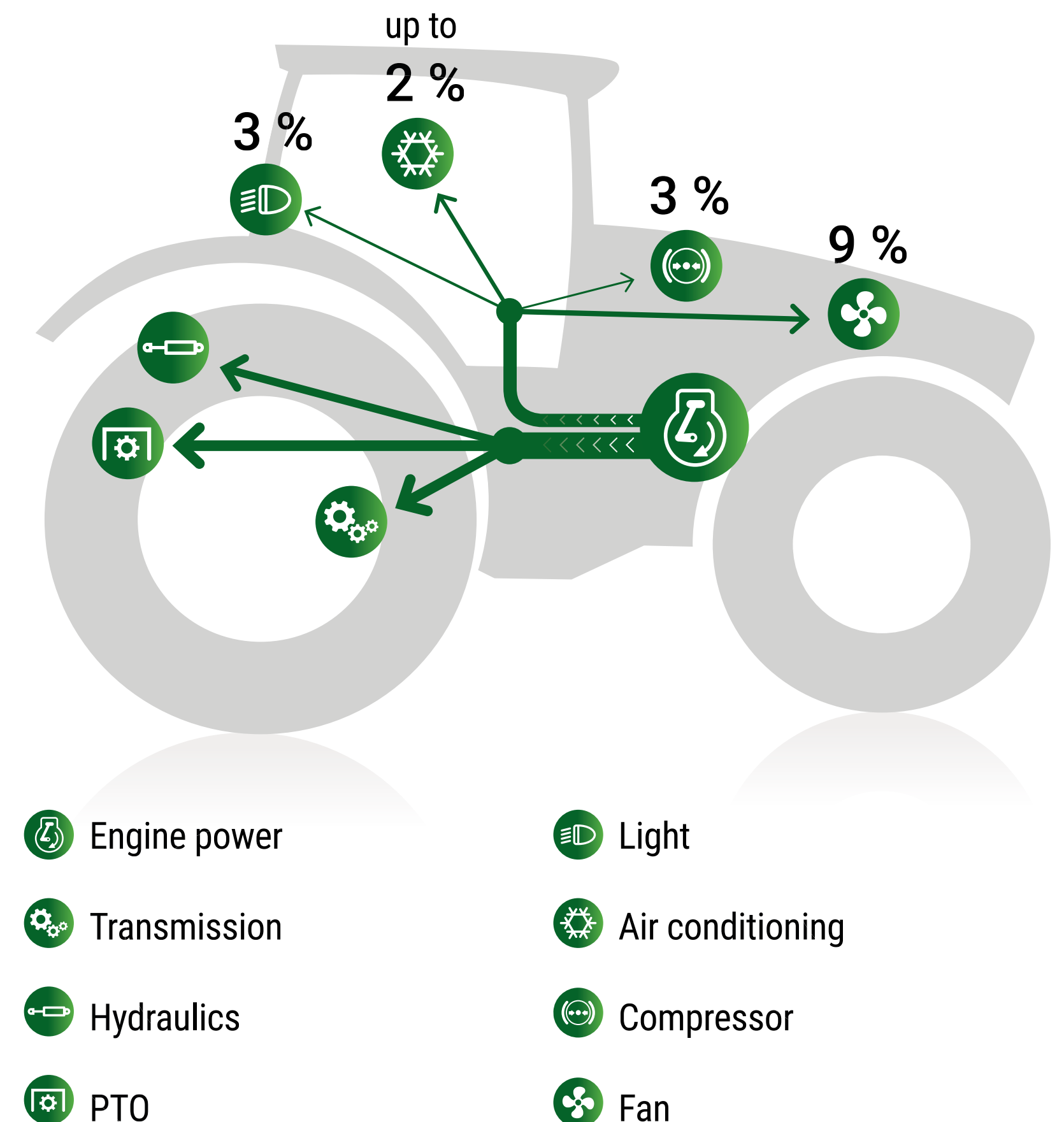
Secondary consumers:

- Fan
- Air-conditioning
- Alternator
- Air compressor

Power demand from auxiliary consumers reduces the available power for traction, PTO and hydraulic work

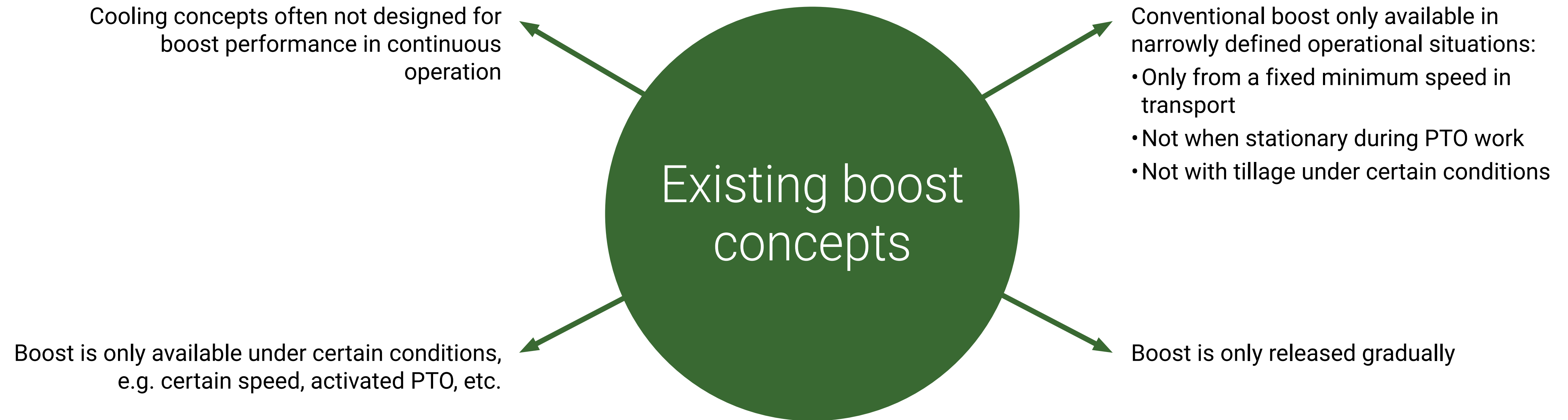
Fendt DynamicPerformance

Power distribution - the main and auxiliary consumers



Fendt DynamicPerformance (DP).

Comparison of existing boost concepts



Fendt DynamicPerformance (DP).

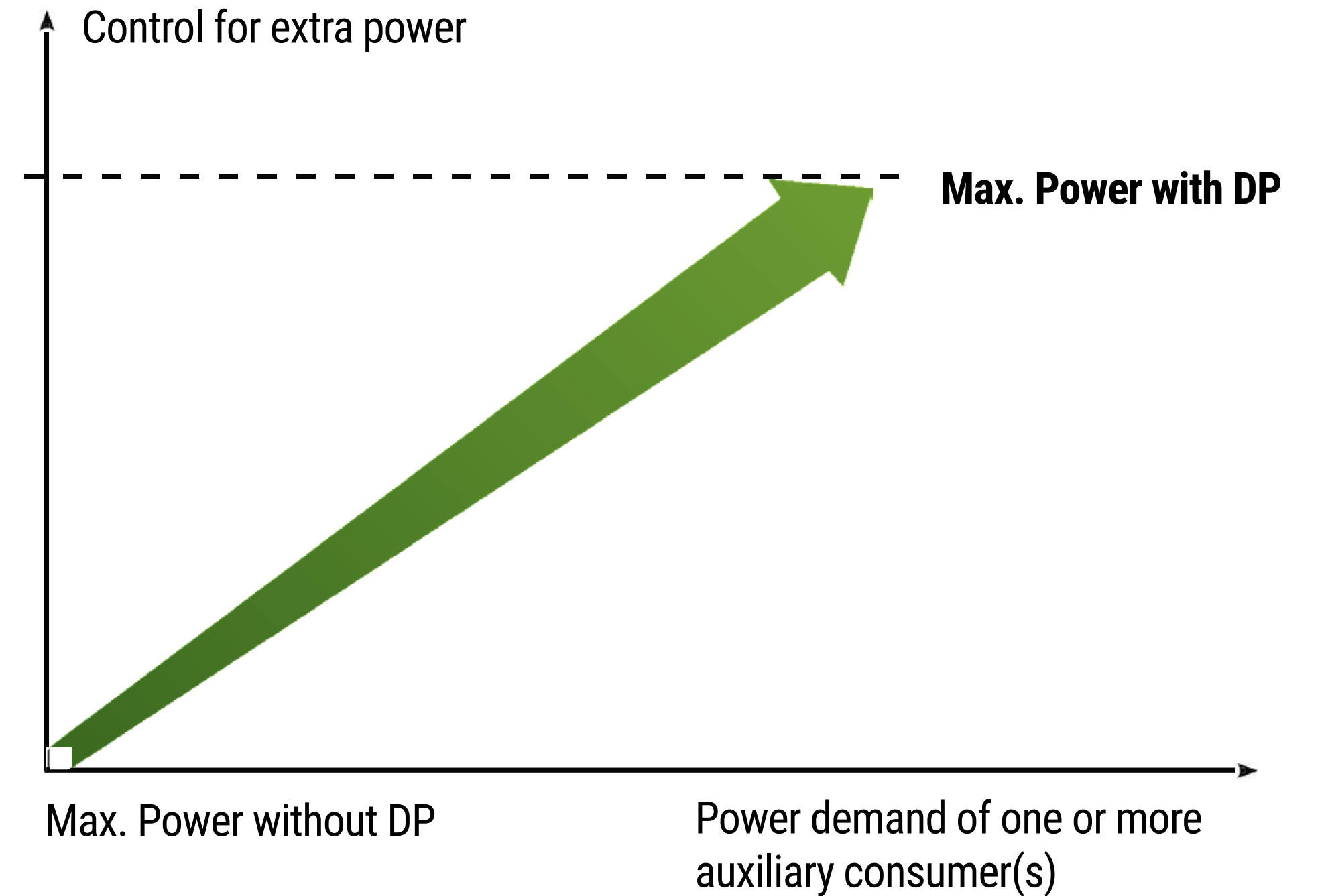
Consistent work performance through compensation of performance losses

Intelligent added performance

- Intelligent, sensor-controlled solution
- Independent of fixed, hard parameters such as speed
- Influence parameters for Fendt: Power consumers (fan, alternator, air conditioning, compressor, hydraulics, PTO, transmission)

Linear additional power

- Completely variable control for extra power
- Infinitely variable without power jumps
- Always the greatest possible and optimal performance available under current conditions
- Consistently high performance at the wheel/ground interface



Fendt DynamicPerformance (DP).

Operational advantages

- Lighter tractor with higher power + 15 hp
- Intelligent, sensor-controlled solution independent of fixed parameters, such as speed
- Additional availability of the intelligent extra power even when cultivating the soil at low speeds and when stationary compared to conventional boost concepts
- More area output due to higher driving speed
- Less fuel consumption per ha

>> **Higher productivity for all models**



Fendt DynamicPerformance (DP).

Practical application advantages

Practical application	External conditions	Availability of Fendt DynamicPerformance	Availability of conventional boost concepts
Soil cultivation	<15 km/h, high outside temperature (fan max., air conditioning on)	Up to 100%	0%
Short disc harrow with pneumat. Seed drill (hydr. driven)	15 km/h	Up to 100%	0%
Road transport	e.g. uphill <15 km/h, high outside temperature (fan max., air conditioner on)	Up to 100%	0%
Mowing		100%	100%
Unloading loader wagons with hydraulic scraper floor		100%	0%
Slurry stirrer		100%	0%
Diet feeder		100%	0%

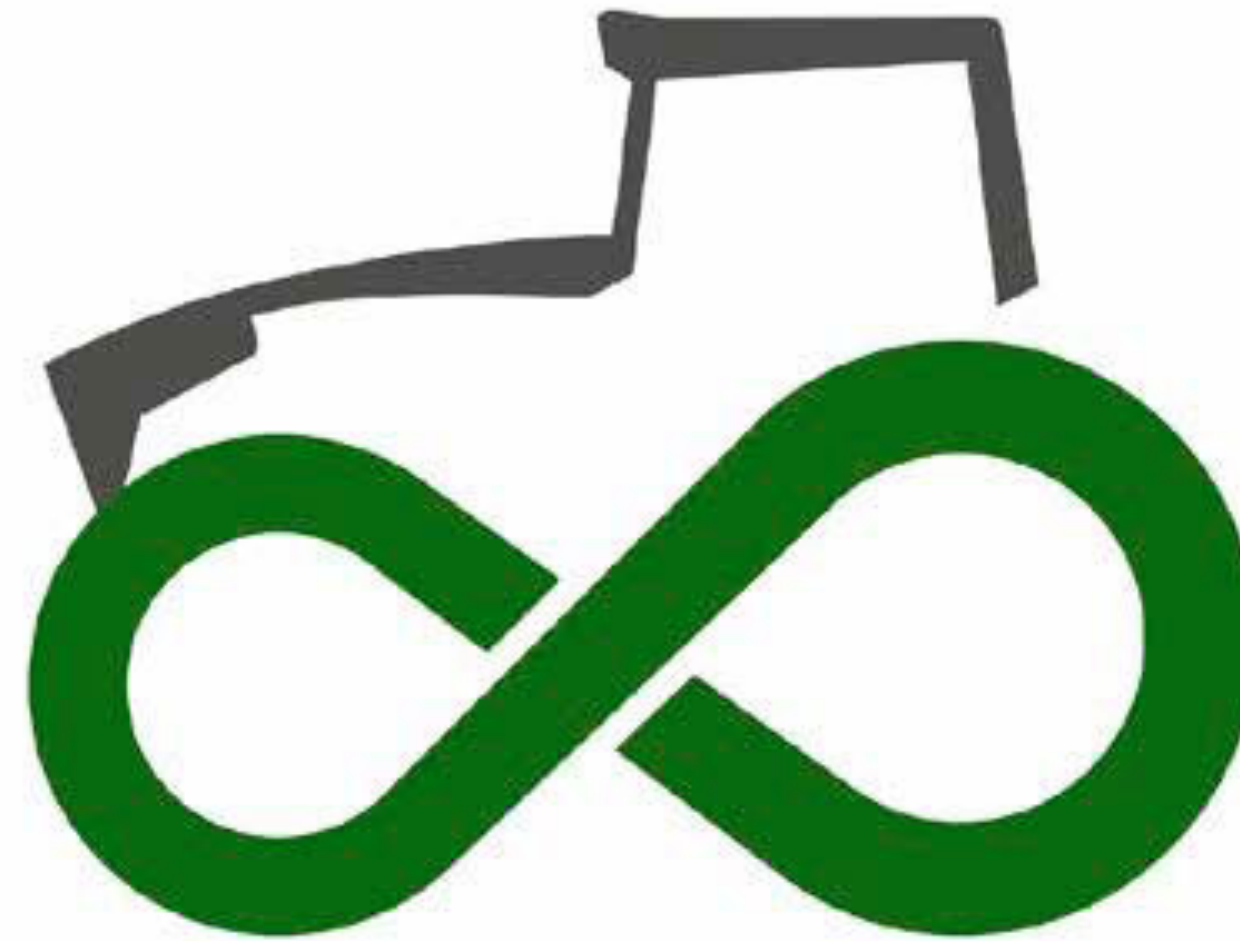
Transmission.

Concept

Function

Customer Benefits

Maintenance/Diagnosis



Fendt
VarioDrive

Concept.

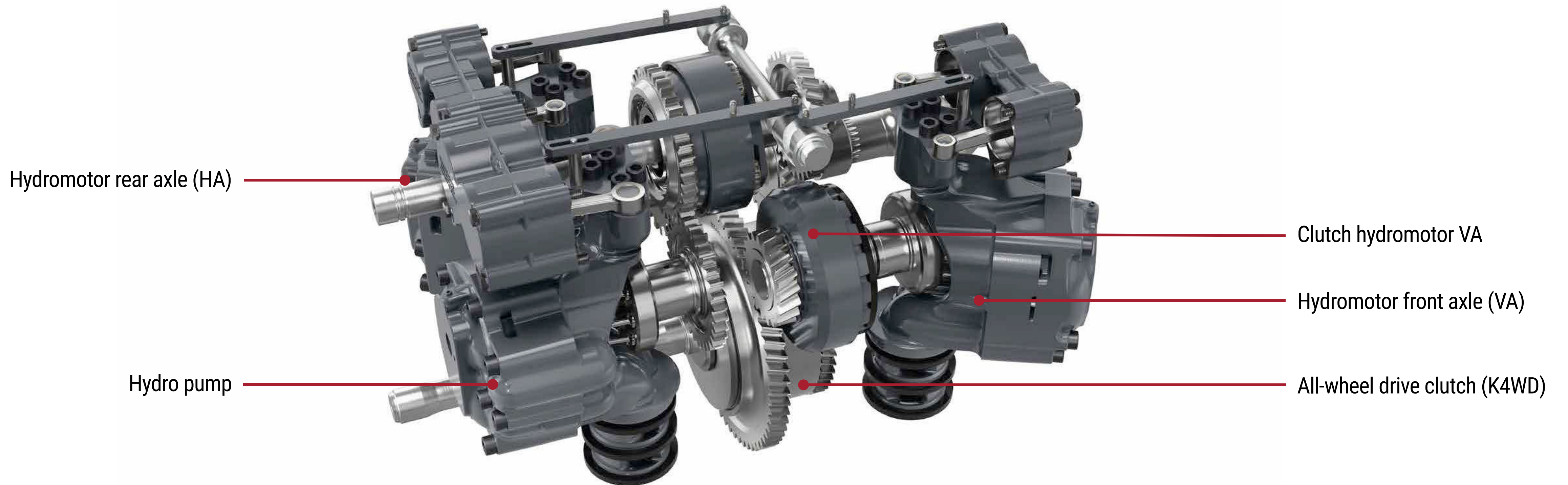
VarioDrive drive train

- Revolutionary further development of the proven Fendt Vario transmission
- Well-known and 100% proven in the large tractors Fendt 700 Vario Gen7, 900 Vario and 1000 Vario
- With the Fendt 600 Vario (TA150 with 3 hydrostats) available for the first time in the medium power class
- Perfect combination of maximum tractive power, maximum ground protection, tension-free and outstanding manoeuvrability in every situation.
- No travel range switching
- Infinitely variable speeds from 20 m/h to 50 km/h (at reduced engine speed)
- Separate hydraulic motors for front and rear axle, which act on the respective axle
- Fully automatic power distribution between front and rear axle with intelligently controlled, independent four-wheel drive:
 - Improved handling on slippery surfaces due to sensitivity control
 - More soil protection at the headland – sward protection in grassland for better forage quality
 - Pull-in-turn effect for best manoeuvrability when cornering, pull-in turn pulls the machine into the curve during turning manoeuvres instead of the negative influence of conventional rigid four-wheel drive on the turning circle
 - Easy to use thanks to smart and automatic power distribution with maximum soil protection during grassland and front loading work.
 - Less tyre wear compared to classic four-wheel drive, because there is no tension in the drive train due to independent control

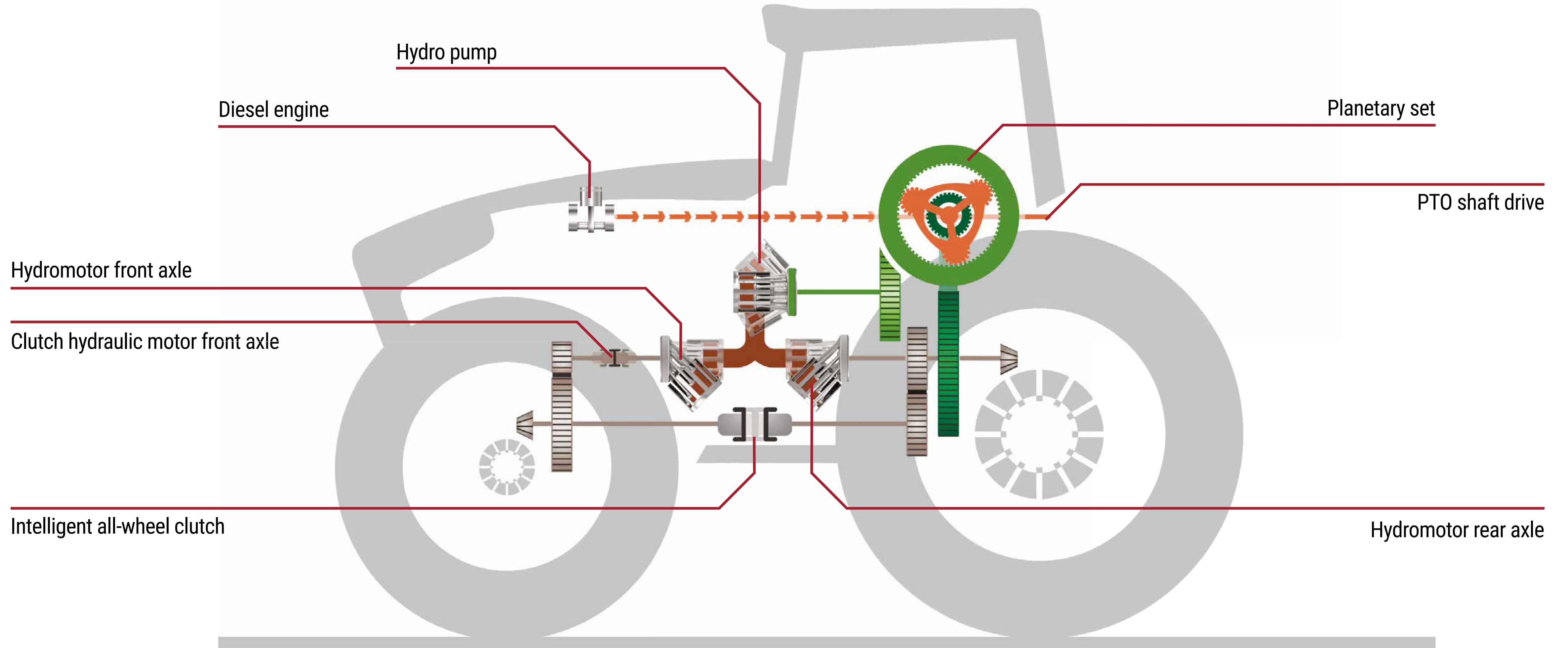


Concept.

Components



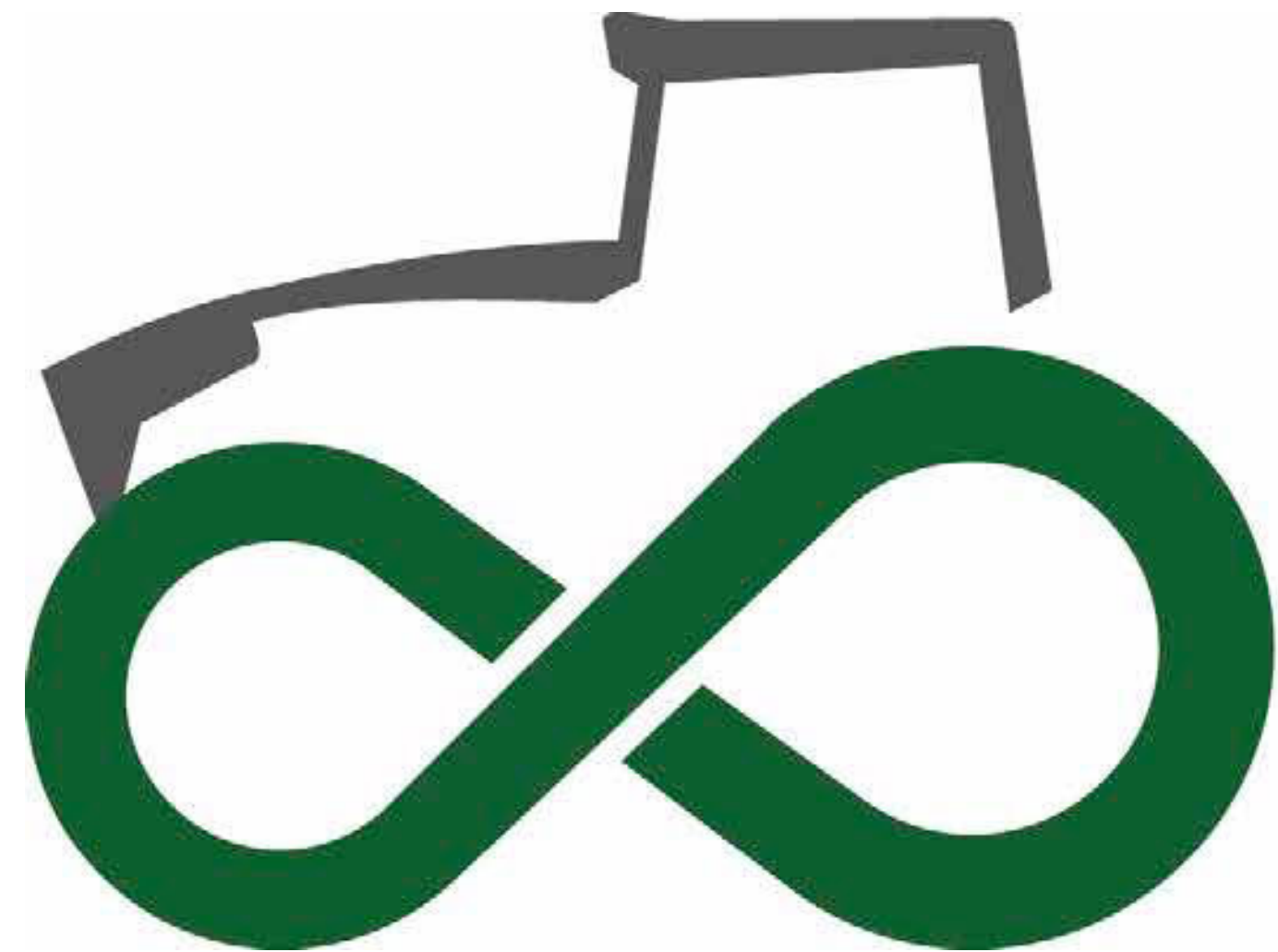
Concept.



Fendt 600 Vario – transmission

VarioDrive drive – Function.

Animation

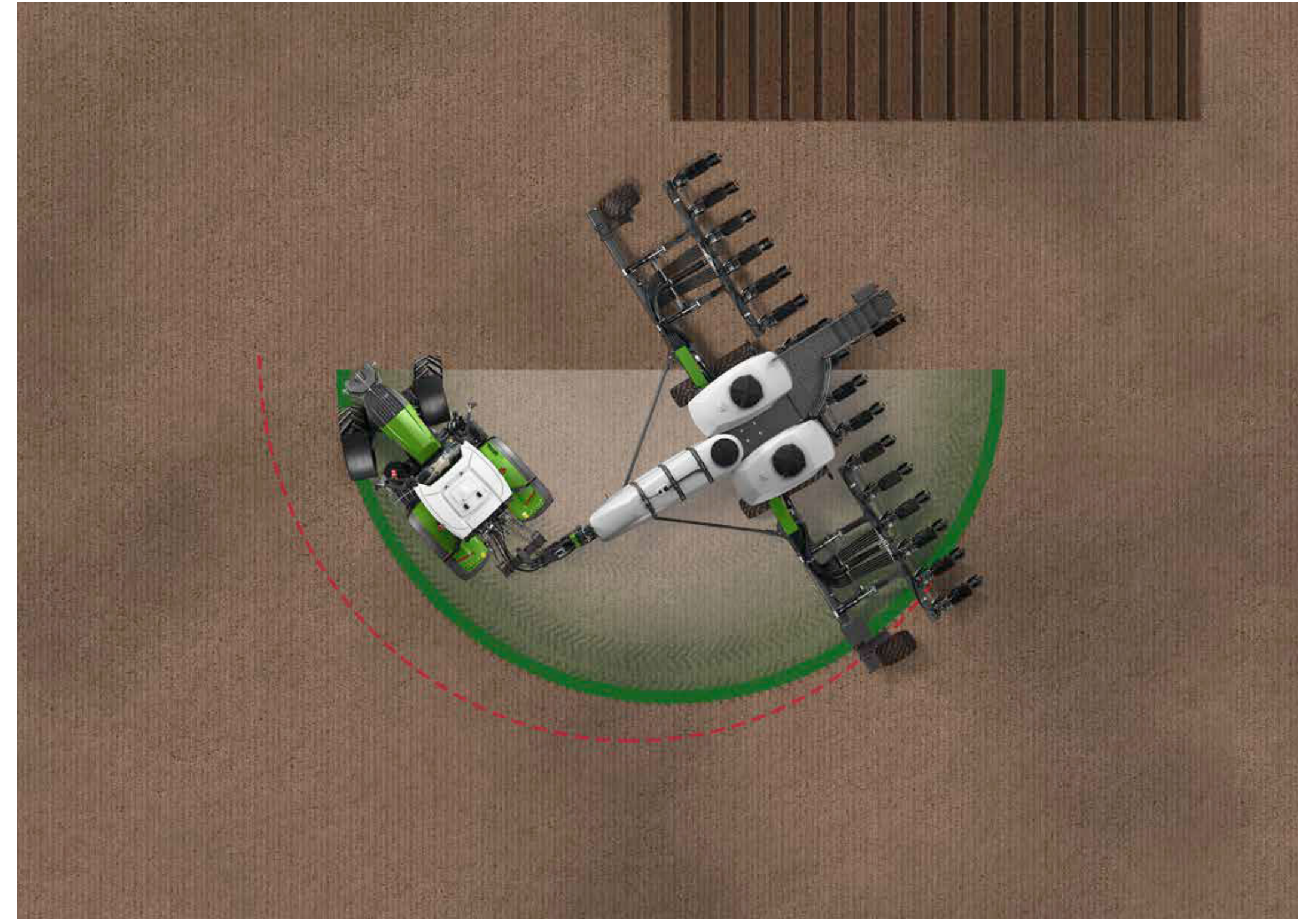


Fendt
VarioDrive

Customer benefits.

Variable all-wheel drive through Fendt Torque Distribution - Manoeuvrability pull-in turn

- The front axle "pulls" the tractor around the curve and achieves a "pull-in turn" effect
- Comparable vehicle has 10 % larger turning radius in the field without VarioDrive
- Always the smallest turning radius with full traction on the front axle
- Facilitates e.g. turning at the headland
- Less manoeuvring due to always optimal turning radius



Customer benefits.

Variable all-wheel drive through Fendt Torque Distribution - field use

- Traction always where it is needed. Torque is dynamically distributed to front and rear axle depending on ground conditions
- Torsion-free all-wheel drive through separate drive of the front axle
- During heavy towing work, the all-wheel clutch closes (detection via transmission pressure)
- The driver's workload is reduced, as they no longer have to engage and disengage the all-wheel drive
- When driving around an obstacle or cornering, always apply full traction to the front axle



Customer benefits.

Improved comfort - Focus on the essentials

- No travel range switching; entire power range is travelled through in one travel range
- Manual four-wheel drive shifting no longer required
- No tension in the drive train
- Intelligently controlled all-wheel clutch independently adjusts the tractive force distribution without the driver having to intervene
- Significantly increased sward protection for better forage quality
- Relief of the driver, because you're automatically always with the best drive technology
- VarioDrive with permanent four-wheel drive: perfect symbiosis of maximum tractive power and superior ground protection on any surface without tension and stress for the driver



Customer benefits.

Higher efficiency and effectiveness

- Rear-axle hydromotor and mechanical power split directly connected to the rear-axle drive – Elimination of drive range shifting
- Front axle hydromotor is directly connected to front axle
- Front axle hydromotor is decoupled from approx. 25 km/h
 - More usable power, especially in transport, and thus lower fuel consumption
 - Maximum traction and highest efficiency



Customer benefits.

Full road capability

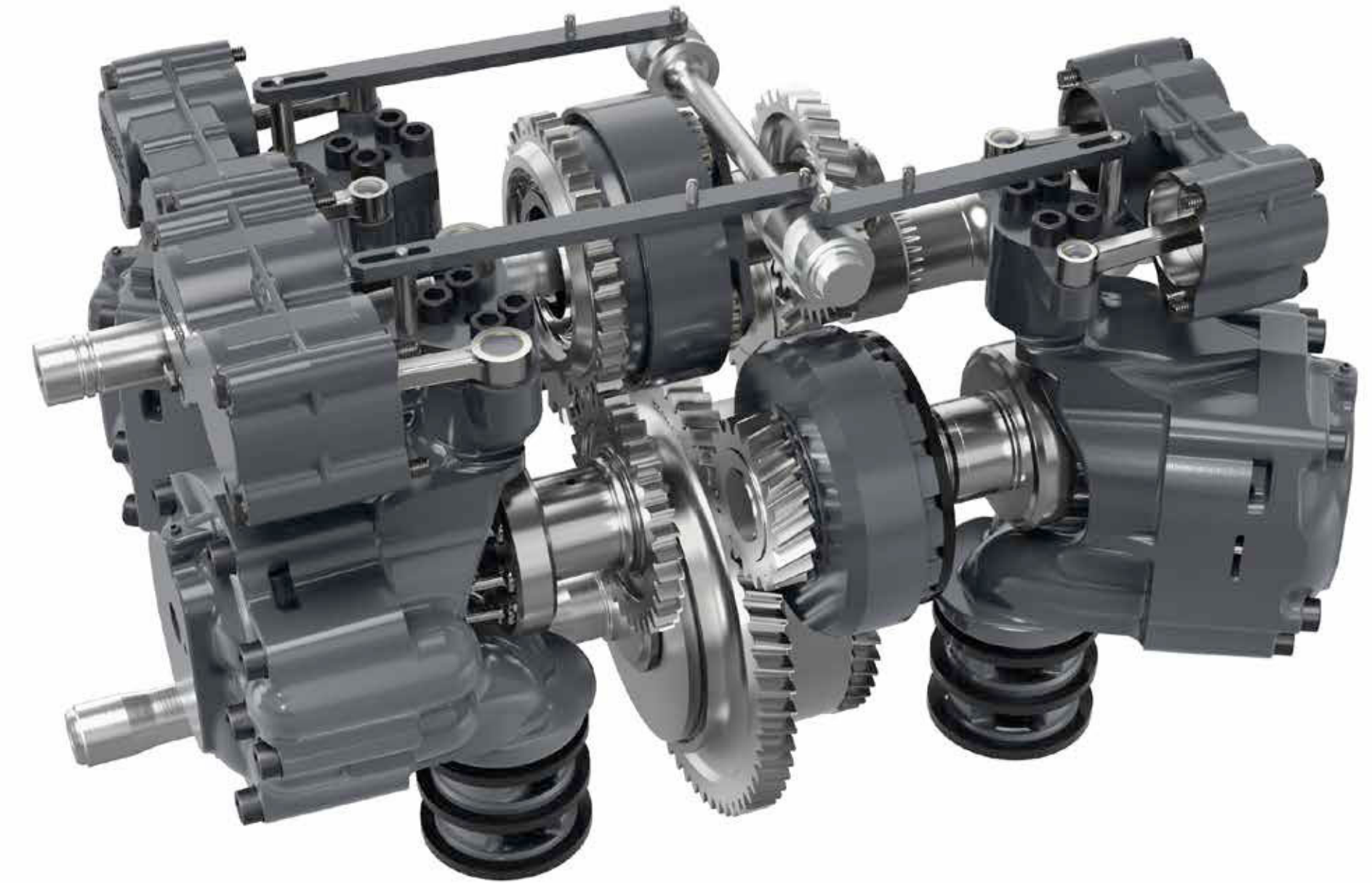
- Lightweight basic vehicle for high payload with up to 5.8 t payload
 - 40 km/h at 1,100 rpm, 50 km/h at 1,300 rpm, making it predestined for,
 - e.g., transport work, fast and cost-saving
 - Torsion-free all-wheel drive, even on the road and when cornering
 - No loss of power between front and rear axle, thus less tyre wear and fuel consumption
 - Automatic comfort with perfect four-wheel drive technology: single-stage driving concept without shifting
 - More usable power from 25 km/h by decoupling hydraulic motor and front axle
-
- Further technologies for increased performance and safety in transport
 - Comprehensive chassis + safety concept with parking brake
 - Fendt Reaction steering for maximum steering precision, driving stability and braking safety
 - Dual-circuit braking
 - TBA - Tractor Brake Assist
 - Tyre pressure regulation system for adjusted air pressure and fuel savings
 - Parking brake
 - Assistance system for brake light and deceleration



Customer benefits.

Benefits

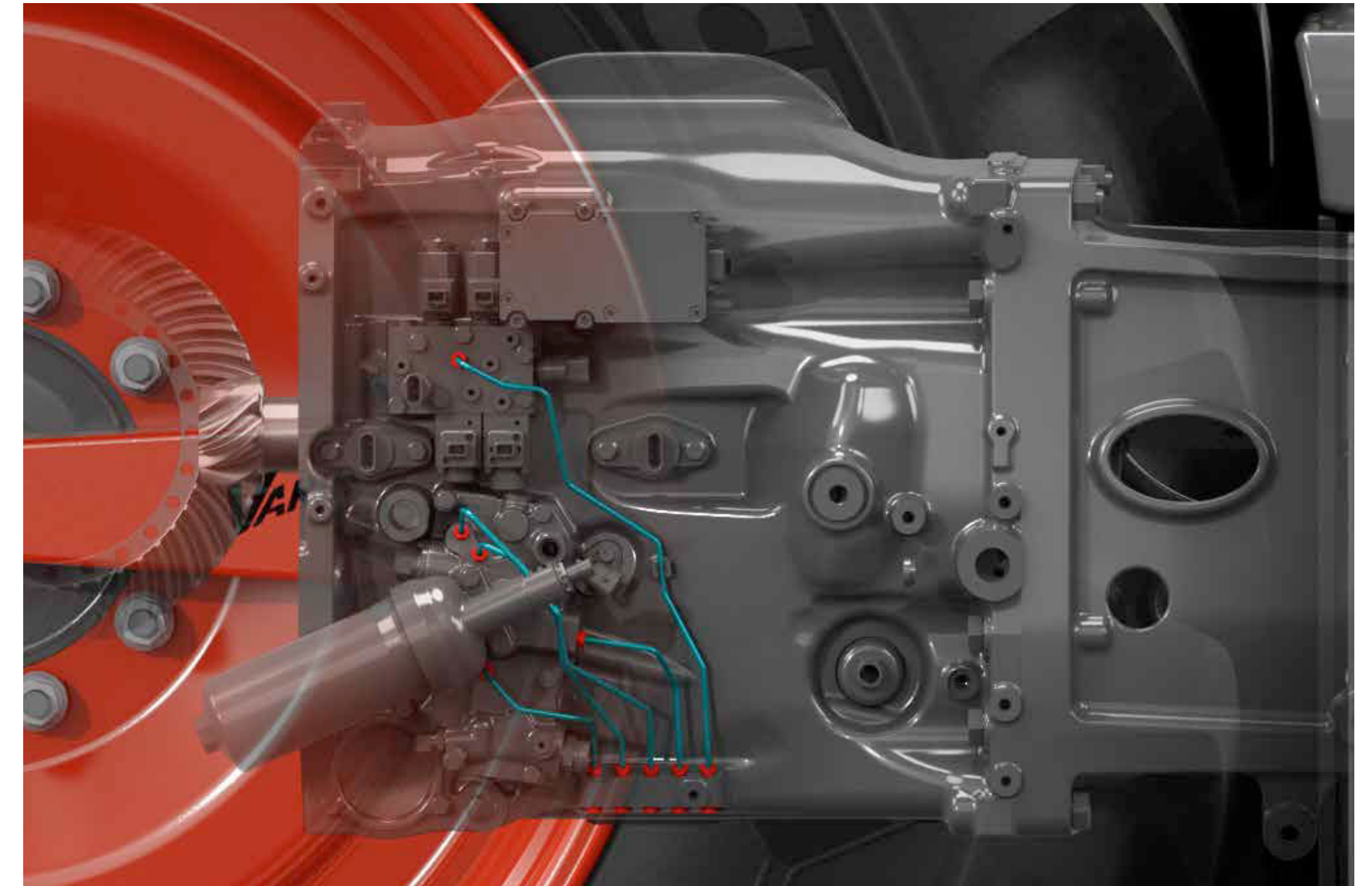
- + Front and rear axle are driven independently
- + No manual all-wheel drive, driver is relieved of workload
- + Hydromotor on the front axle is swung back at approx. 25 km/h and is decoupled
- + Optimum engine-transmission matching in conjunction with Fendt iD low-speed concept
- + Smallest possible turning radius due to pull-in turn effect
- + Change gear oil only every 2,000 operating hours
- + No special oil necessary
- + No additional super creeper transmission necessary
- + Universal application possibilities



Maintenance/Diagnosis.

Tuned for low costs

- Separate gearbox and hydraulic oil reservoir
- Change gear oil only every 2,000 operating hours
- Remote measuring points on the gearbox >> quick and easy troubleshooting without removing the wheel >> cost reduction for the customer



- + No dirt ingress into the transmission due to contaminated hydraulic oil
- + Low maintenance costs, few downtimes due to long maintenance intervals
- + Simplified diagnostic option that reduces time and costs

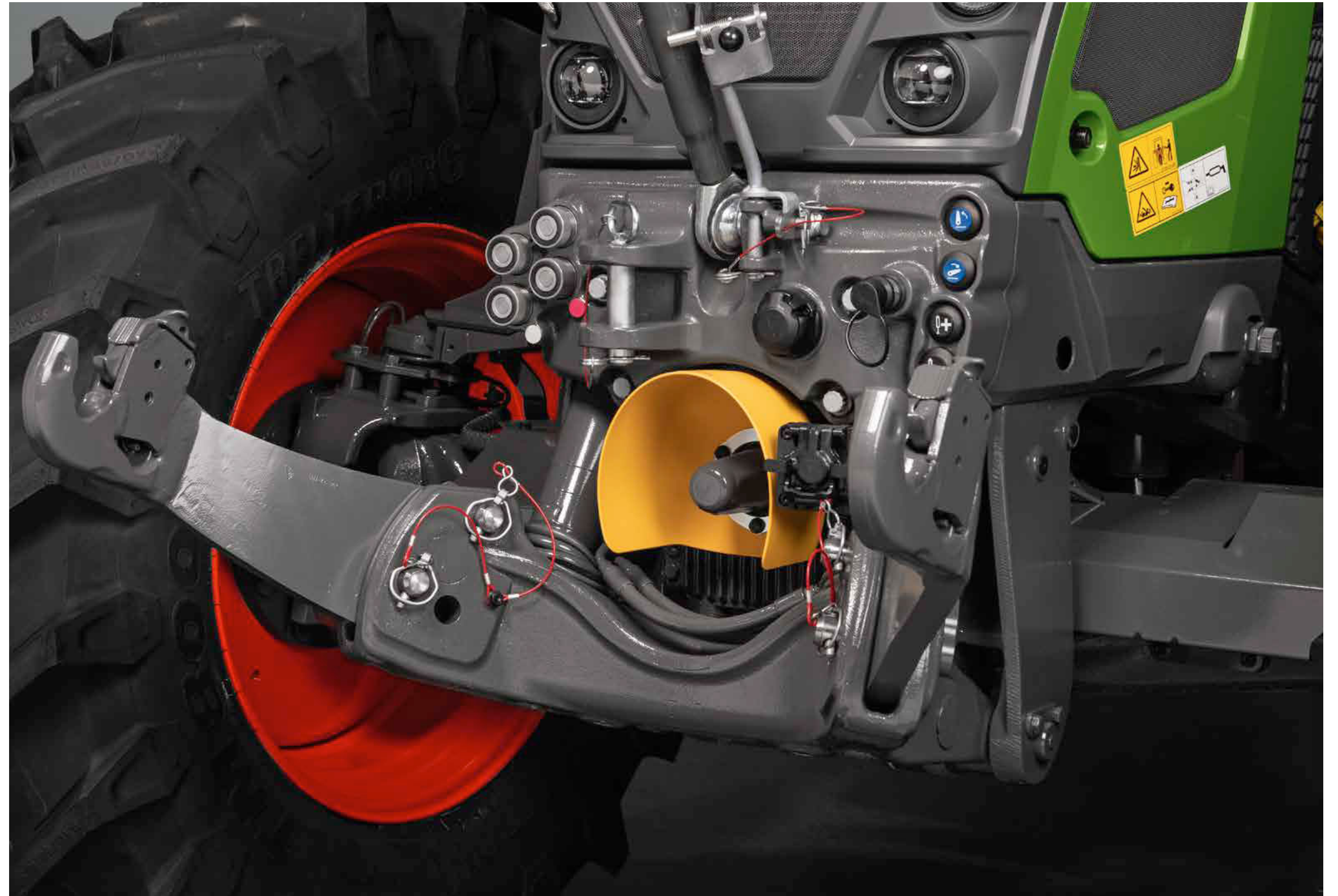
Fendt 600 Vario – PTO

PTO.

Concept



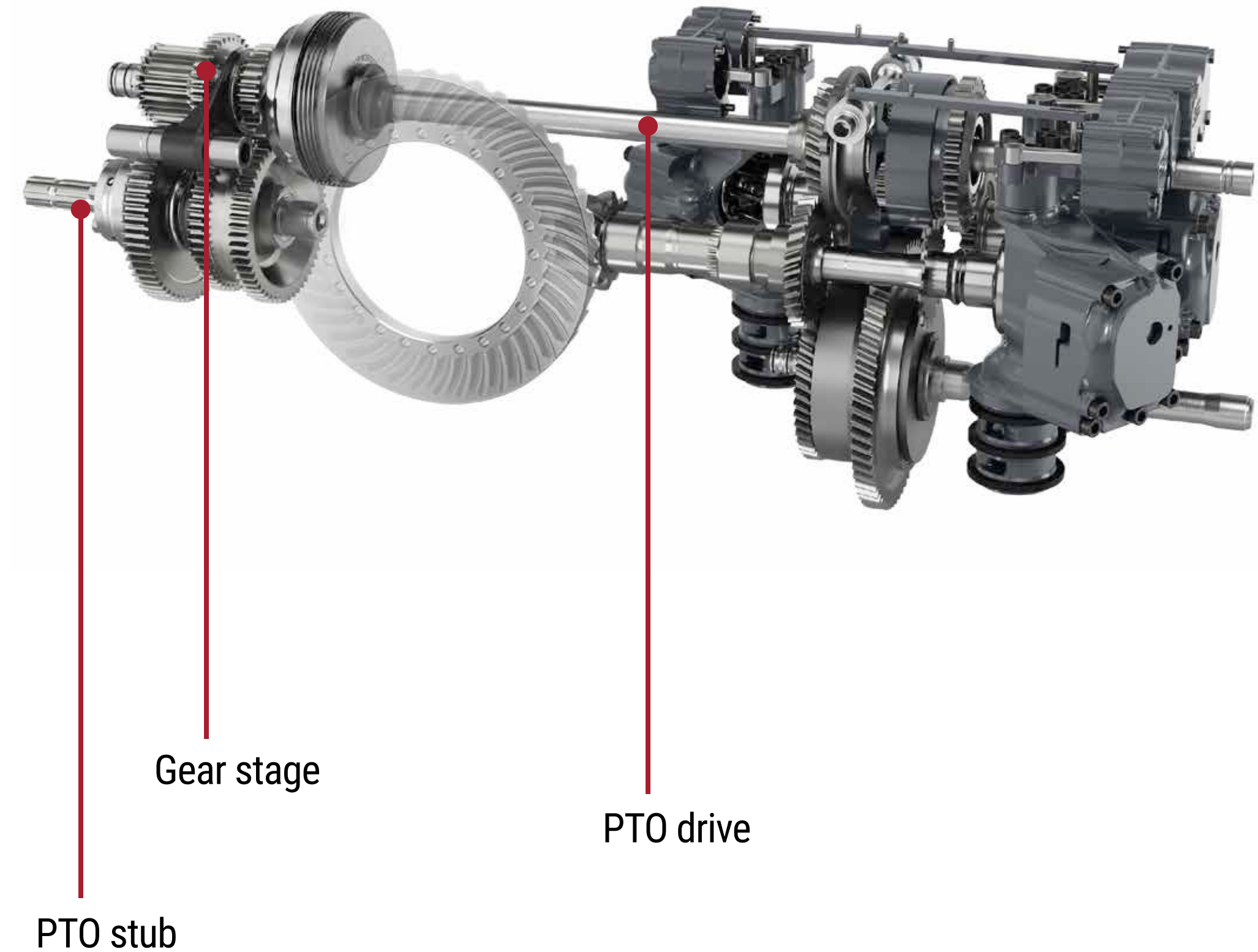
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Concept.

Four-speed rear PTO

- 540E/1000, 1000/1000E
- High degree of efficiency with almost direct through-drive from the crankshaft to the PTO stub shaft (only one gear stage in PTO transmission)
- High efficiency
- Electro-hydraulic speed preselection
- External operation on both sides of the mudguard
- PTO stub detection
- Standard PTO 540 and 1000:
 - Lie ideally in the constant power range
 - High torque increase when the engine is pulled back by the PTO
- 540E and 1000E economy PTO:
 - Close to the optimum consumption of the engine
 - Sufficient torque reserves
 - 1000 PTO revolutions are available at an engine speed of 1830 rpm



- + PTO-driven units can be operated at constant speed and at the same time variable travel speed
- + Exchange of various PTO stubs

Fendt 600 Vario – hydraulics

Hydraulics.

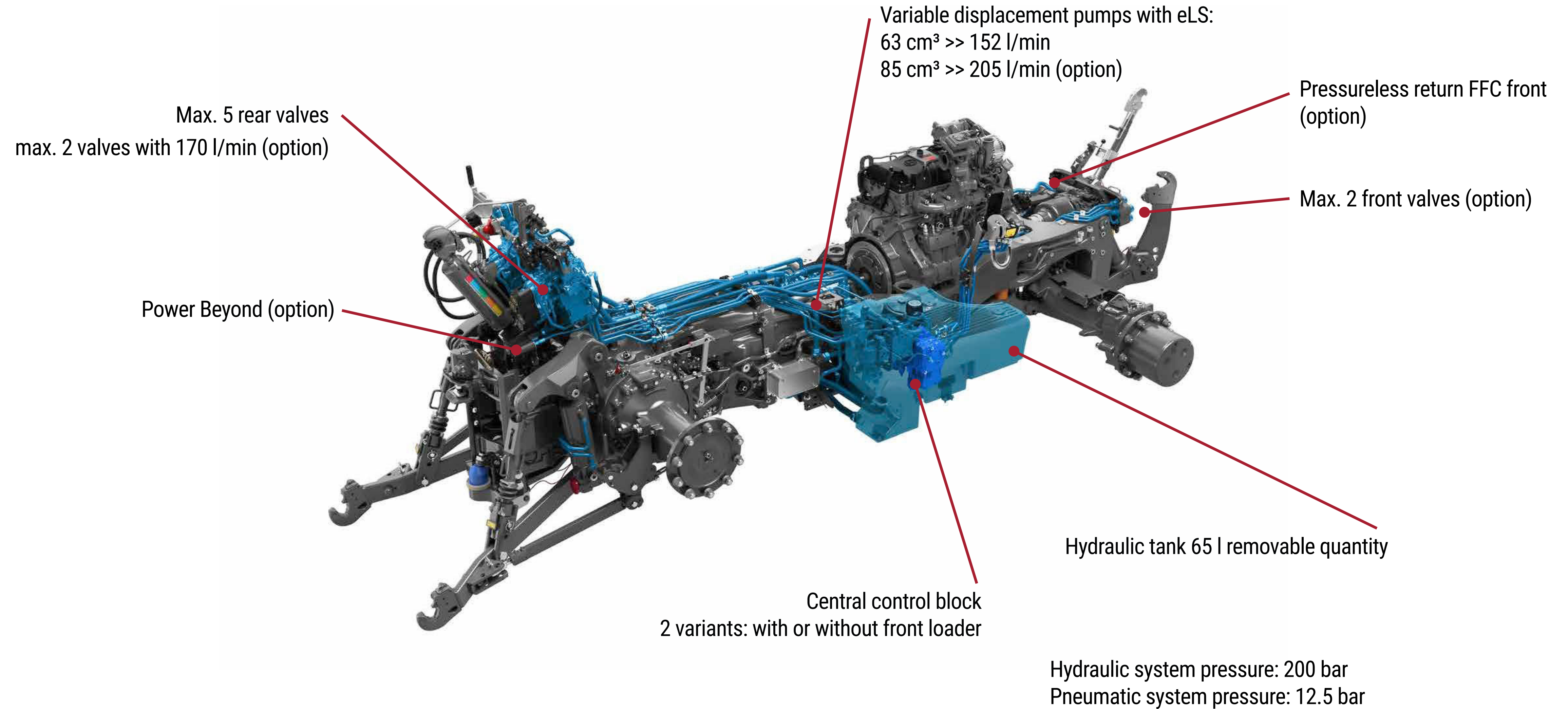
Concept



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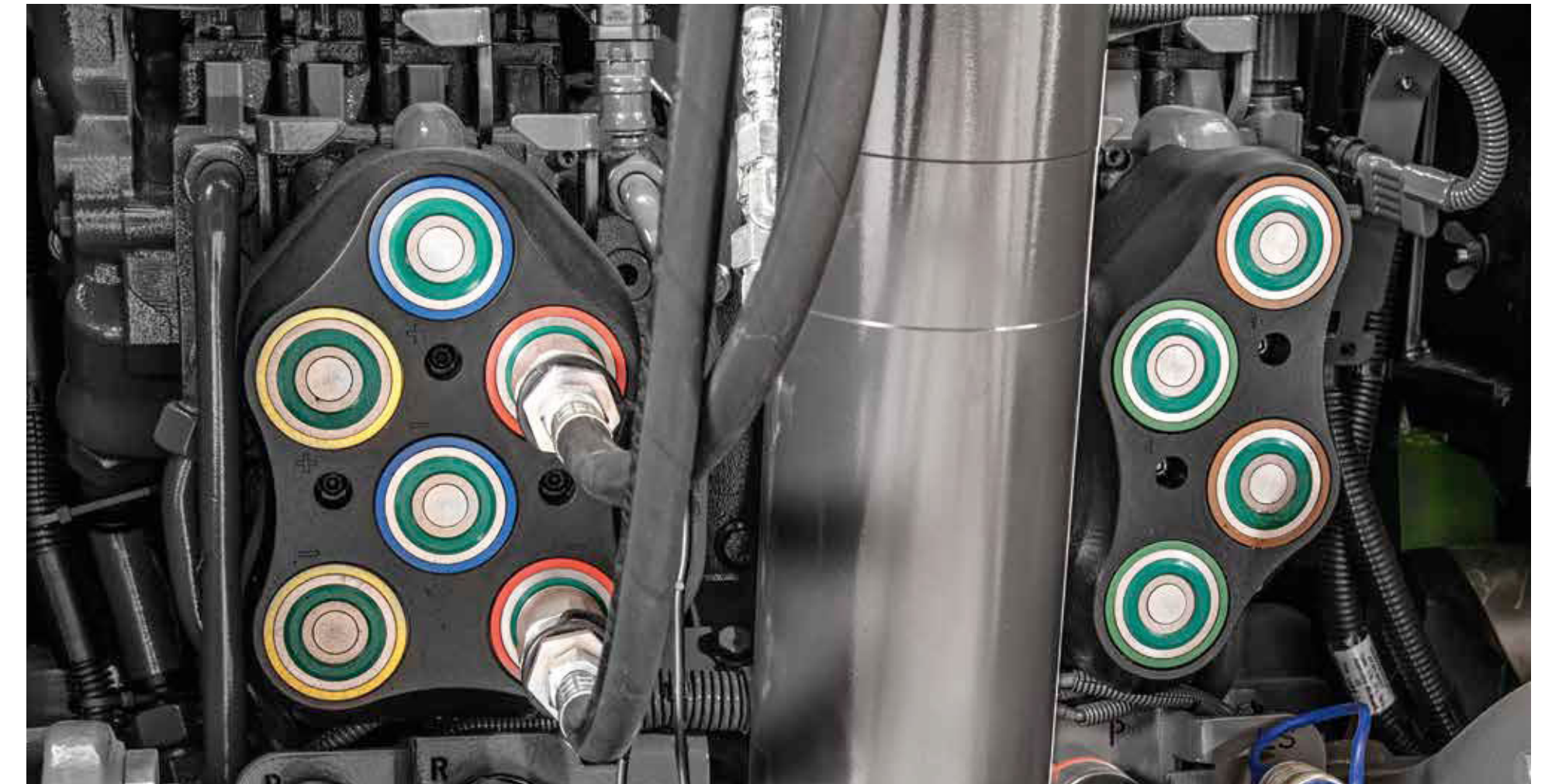
Concept.



Concept.

Flat-face hydraulic coupling system

- 5/8" Flat-Face Coupling (FFC)
- Can be coupled under pressure on both sides
- Combination of different cartridges technically possible
- Comfortable lever operation
- Proven colour coding of the connections
- Easy to clean surface
- Breakaway function
- Power Beyond and front valves also available as FFCs



Power Beyond as FFC (optional)

- + No dirt ingress into the system due to smooth, easy-to-clean surface
- + In combination with device memory in the terminal, always the same operation
- + Various cartridge inserts possible
- + Leakage-free
- + Breakaway function, system remains closed, no pressure loss or leaking oil

Fendt 600 Vario – build

Assembly.

Concept

Axles

VarioGrip tyre pressure regulation system

FENDT

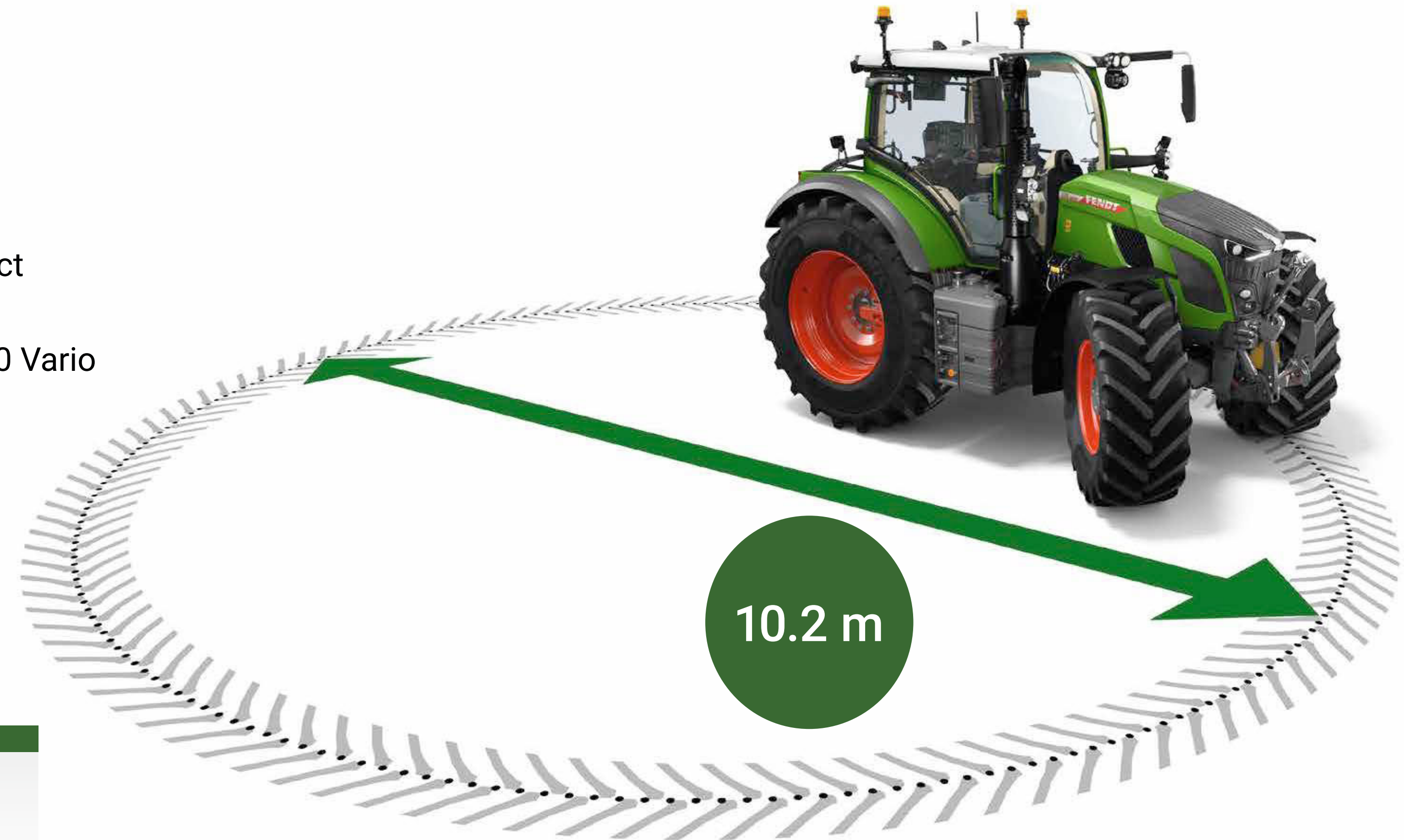
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Concept.

Superior manoeuvrability

- Vehicle optimised for the smallest possible turning radius:
 - Half frame with waist
 - Compact engine package allows for a slim bonnet
 - Increased steering angle
 - In the field 10% smaller turning circle due to "pull-in-turn" effect
- Turning radius of only:
 - 10.2 m with 540/65 R30 tyres (compare: 10.8 m for Fendt 700 Vario Gen6)
 - >> outstanding manoeuvrability in the 200 hp class
- Swivelling mudguards



- + Outstanding manoeuvrability for maximum flexibility
- + Predestined for front loader work

Concept.

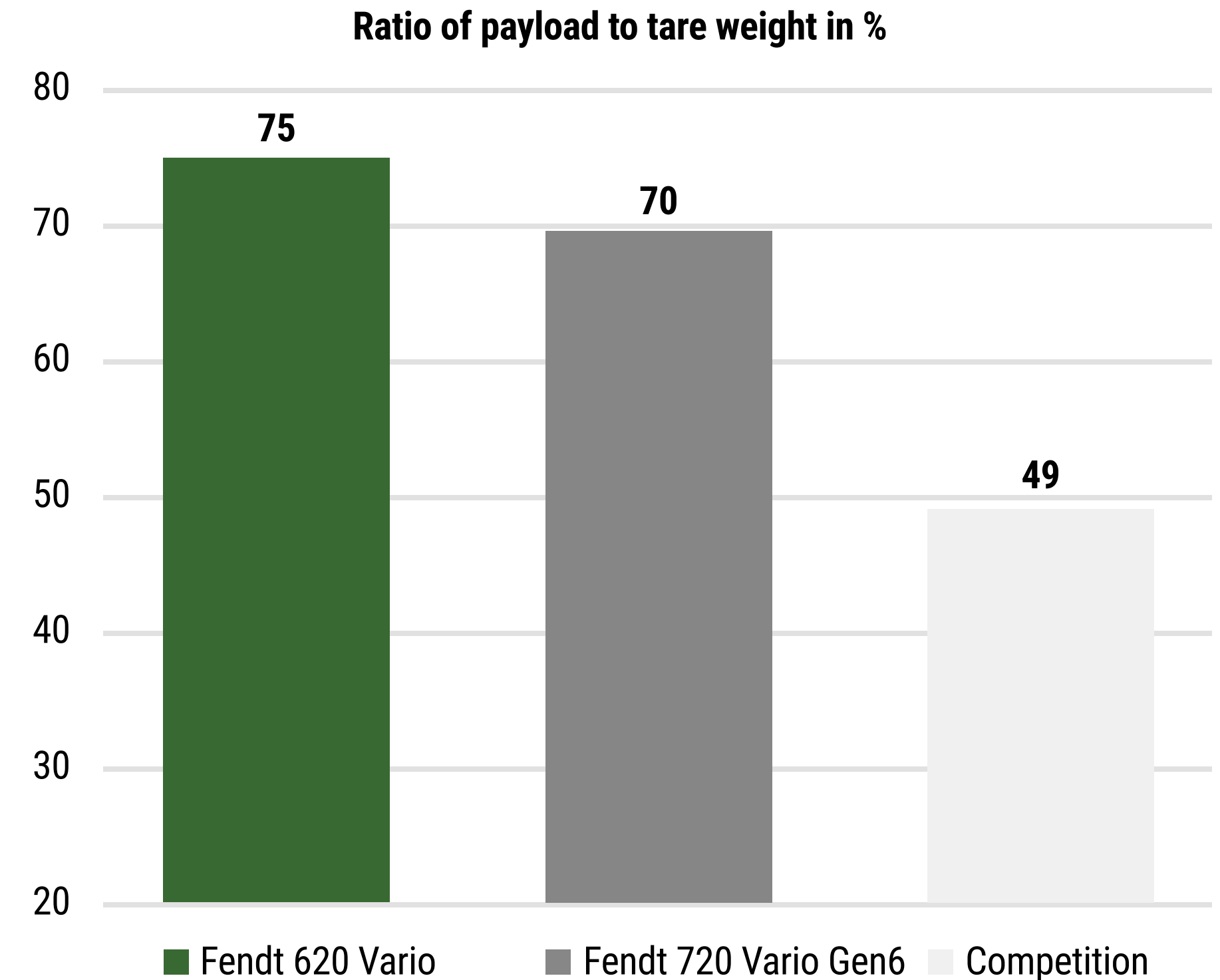
High ground clearance

- With up to 55 cm (with 650/65 R42 tyres) extremely high ground clearance >> Crop protection and fertilisation also possible in late growth stages
- Swivelling mudguards at the front for better wheel turn-in

Highest payload for heavy attachments

- Fendt 620 Vario is convincing with 5.8 t payload at 7.7 t (unladen weight MCM*) or 34.4 kg/hp via intelligent lightweight construction with flexible ballasting options >> more soil protection
- High payload of up to 5.8 t with a permissible gross weight of 13.5 t >> Payload to tare weight ratio of 75% (market average is 50%)
- Flexible ballasting via front (870, 1,200 and 1,800 kg) – and wheel weights (300/600 kg)

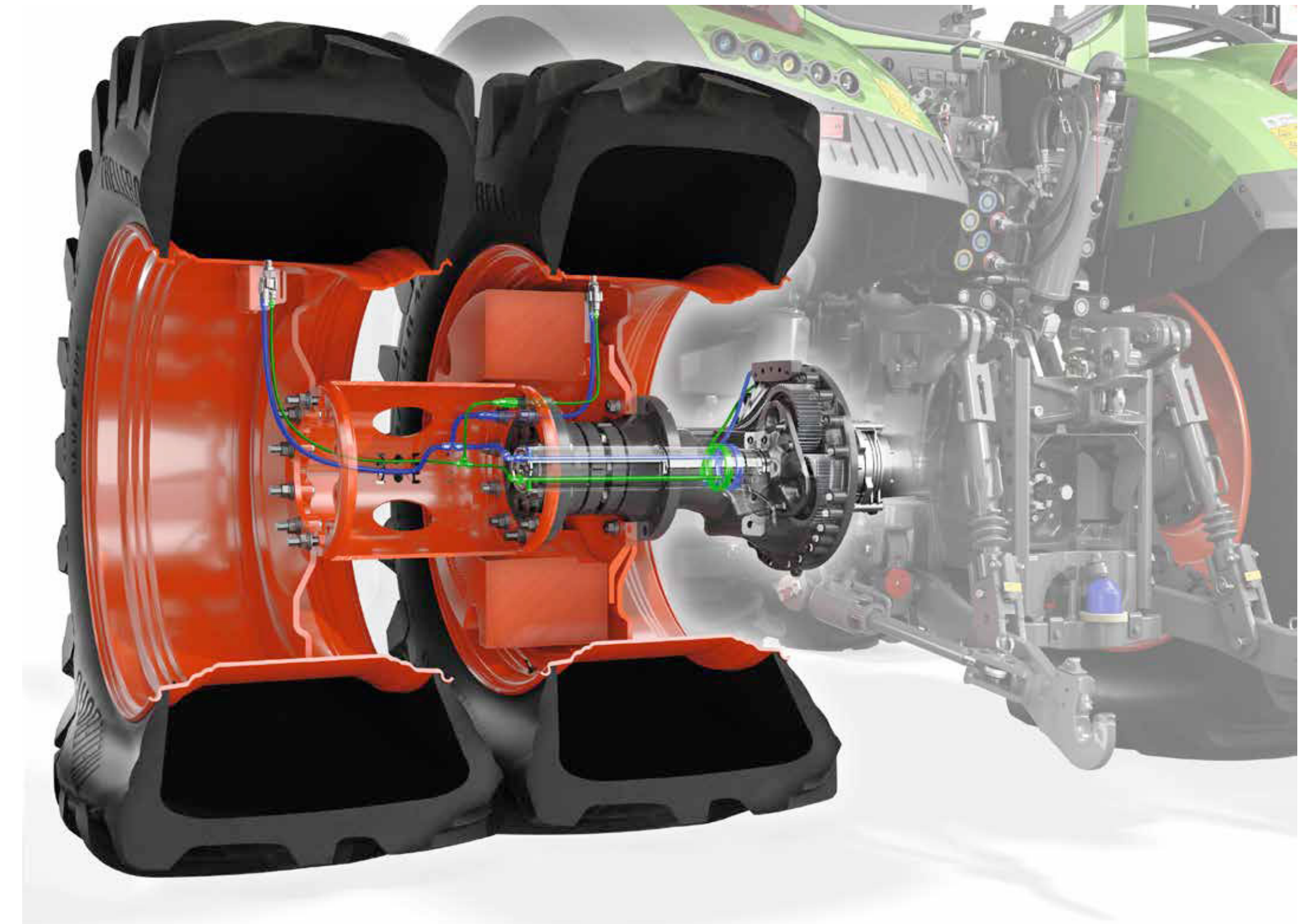
* Most common model (MCM): full tanks, front linkage, rear linkage, rear mechanical top link, full valve equipment



Axles.

Duo wheel hub with 2.55 m stub axle

- + Reduction of mechanisation costs**
 - No reinforced rims/special rims necessary
 - Twin wheel can be swapped with main wheel >> equal wear of both tyres if main wheel is worn or defective
- + Very high reliability of the system**
 - High operational reliability with narrow time windows
 - No unexpected costs due to defective rims
- + Greatest possible soil protection**
 - maximum footprint
 - Full use of the advantages of the integrated tyre pressure control system with adapted air pressure to the respective operating situation
- + Designed to transmit the full power of the tractor**
- + Easy assembly and handling**
 - Full use of rear wheel weights without restrictions



VarioGrip tyre pressure control system.

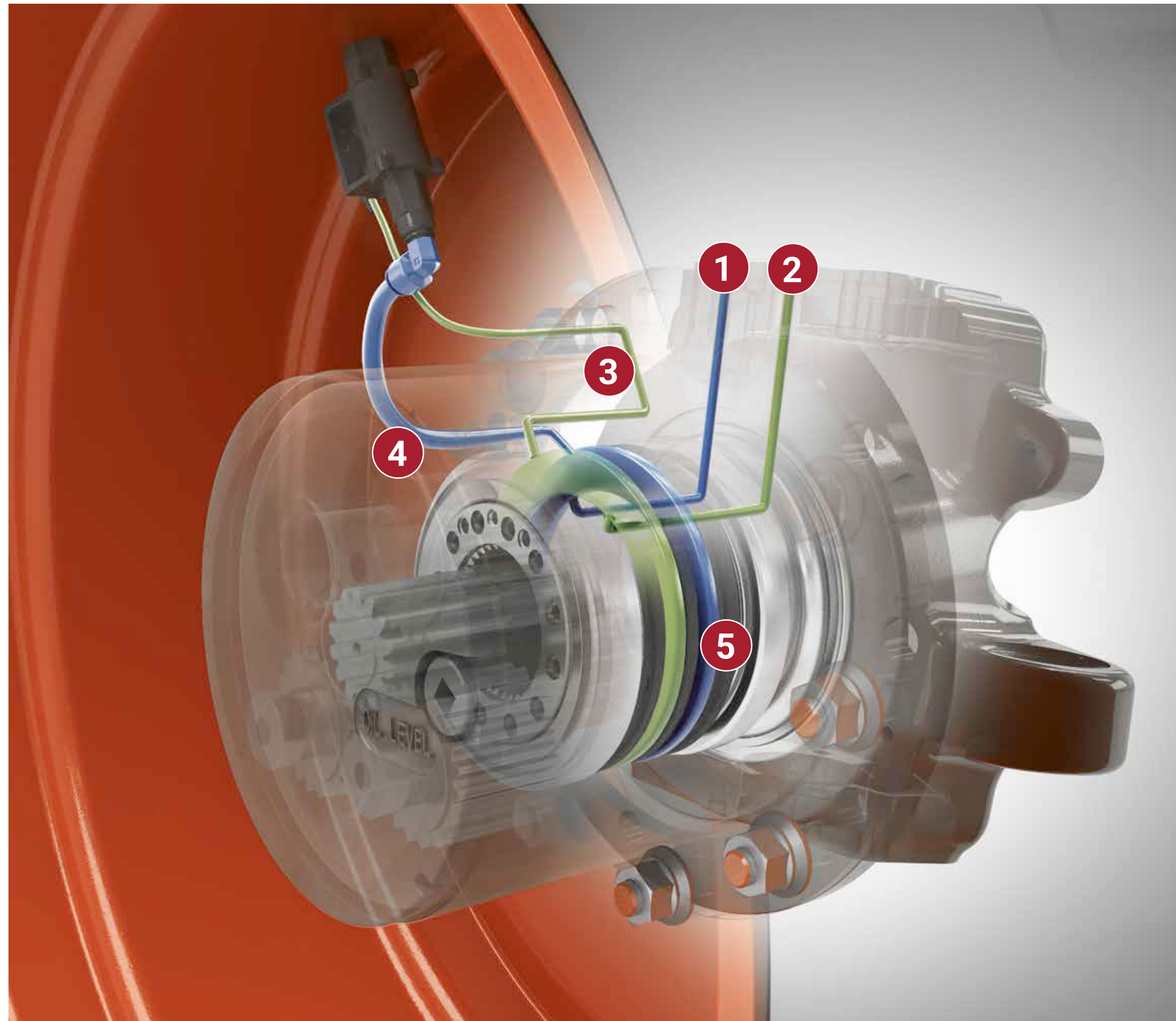
VarioGrip for flange and stub axle

- Up to 8 % more area output and 8 % fuel savings
- For example, 500 hr heavy traction work/a =
 - up to 40 hr less operating time via larger “footprint” (ground contact area)
 - up to 8 % diesel savings + up to 10 % more tractive power = up to 16 hp
- already over 7,000 units in field use >> now also in the 200 hp class for the first time
- VarioGrip available for flange and stub axle. Pressure adjustment can also be realised with twin tyres >> unique
- Complete integration with built in valve and air lines
- Complete solution with water-cooled high-performance compressor (dual compressor) with 850 cm³ air volume flow at rated speed
- Fendt's own development with radial rotary unions on front and rear axle
- Two-line technology with control and filling line
- Control line opens tyre valve; inflation line is used for inflation and deflation
- Two pressures for front and rear axle can be stored and recalled
- System air pressure is only present during air pressure control/measurement
- Air pressure control also possible at full speed



VarioGrip tyre pressure control system.

Technical implementation on the front axle



- 1 Filling line - inlet on stub axle
- 2 Control line - inlet on stub axle
- 3 Control line to the valve
- 4 Filling line to the valve
- 5 Radial rotary transmission front axle

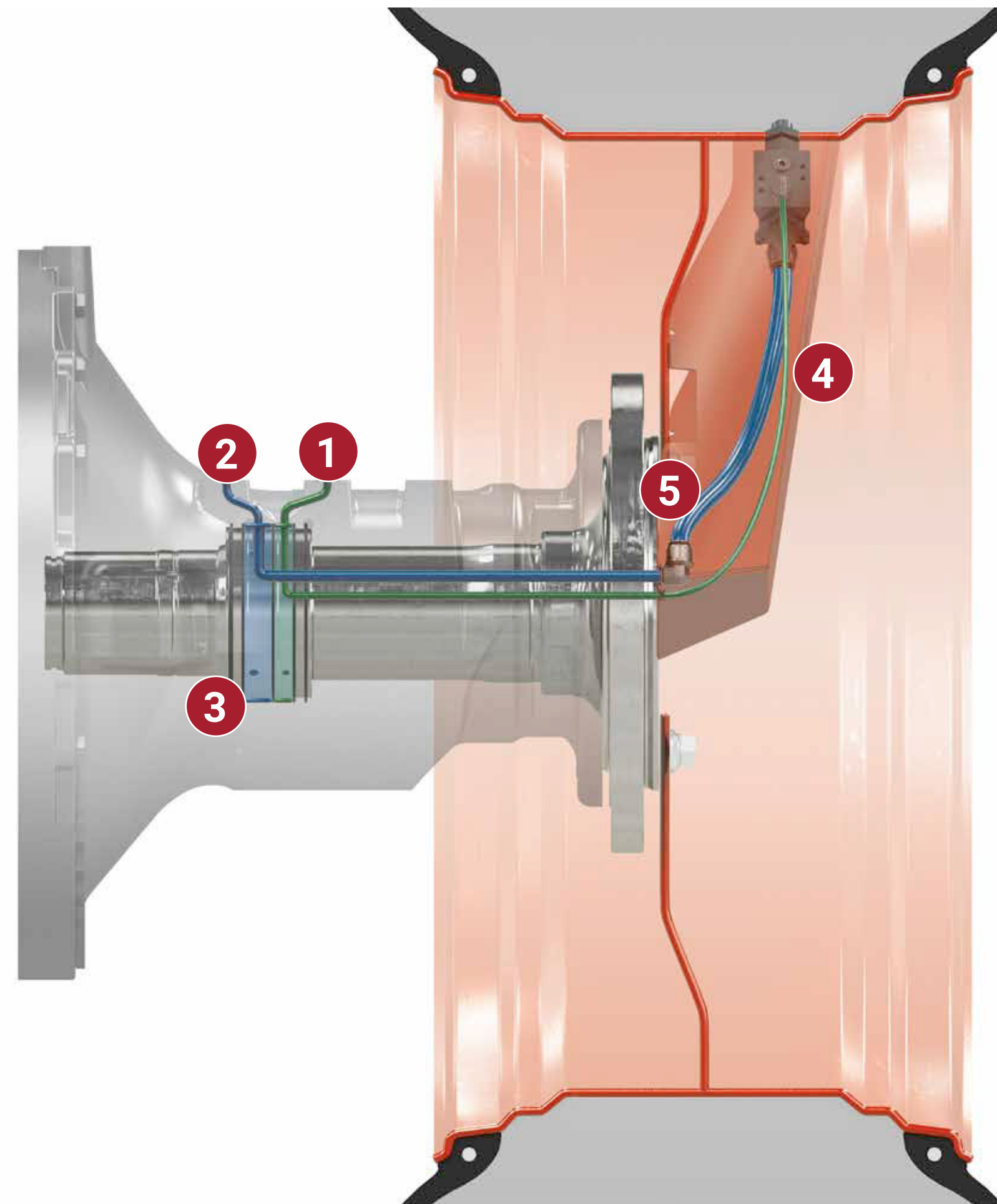
VarioGrip tyre pressure control system.

Technical implementation on the rear axle (flange)

Control line input at the axle funnel 1

Filling line inlet at the axle funnel 2

Radial rotary transmission rear axle 3



4 Control line to the valve

5 Filling line to the valve

VarioGrip tyre pressure control system.

Technical implementation for Row Crop on the rear axle (stub)

Control line to the valve ①

Filling line to the valve ②

③ Filling line (blue)

④ Control line (green)

⑤ Radial rotary transmission rear axle



Exemplary picture of the Fendt 900 Vario

VarioGrip tyre pressure control system.

- + Full integration into the vehicle concept with modified vehicle compressor and own valve technology
- + Up to 10 % more tractive power and reduction in fuel consumption of up to 8 % with 8 % more area output*
- + No blanket air pressure, but individually adapted tyre pressure for use and ground conditions
- + Increased driving stability and safety during transport work
- + Reduction of rolling resistance to reduce fuel consumption
- + Tyre protection for low operating costs
- + Maximum convenience through simple operation in the terminal
- + Surface pressure is significantly reduced to protect the ground
- + Flexibility of use due to fast inflation and deflation times

*South Westphalia University of Applied Sciences; Agricultural Economics Soest



Fendt 600 Vario – cab

Cab.

Concept



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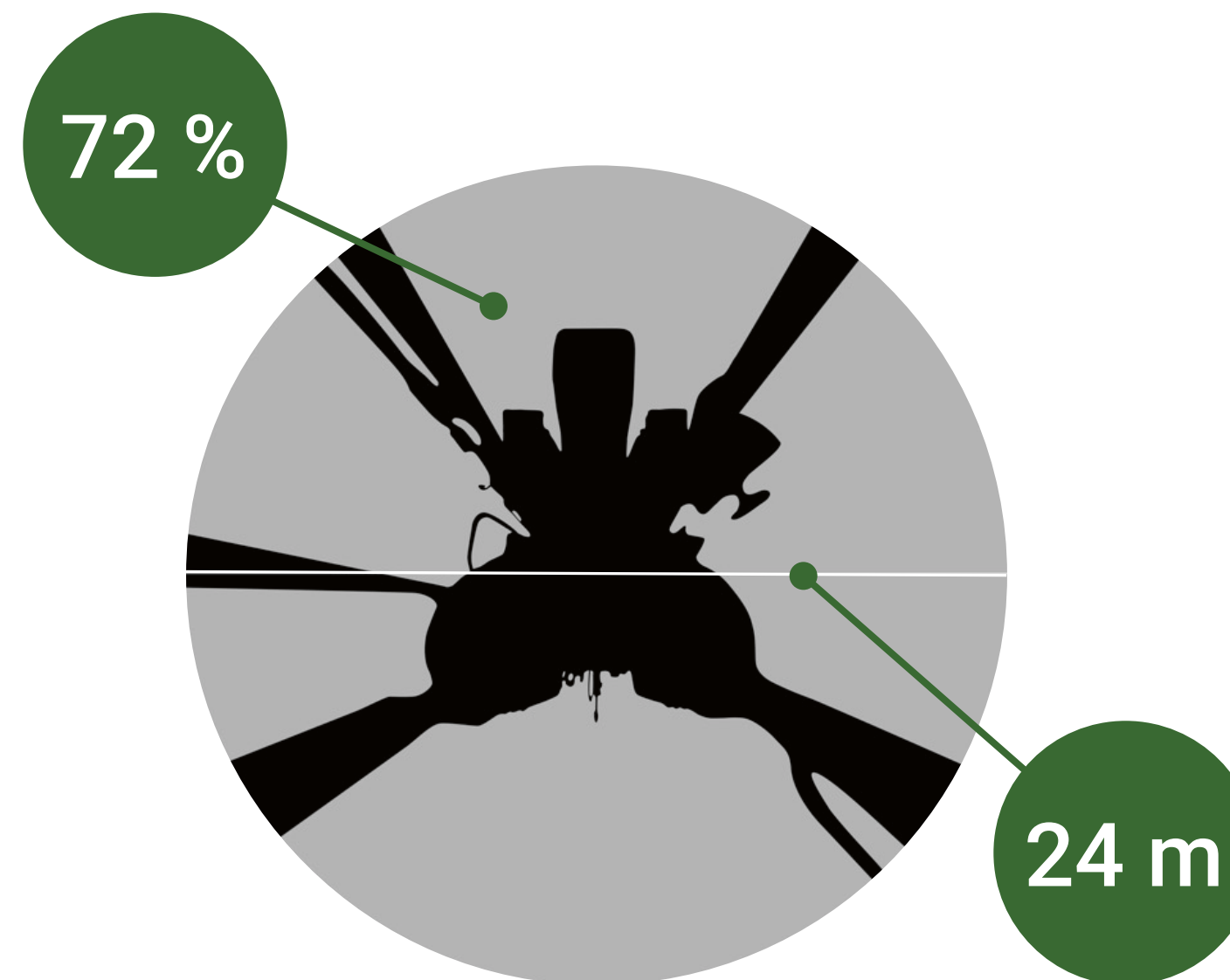


Concept.

VisioPlus cabin – Best all-round visibility



Generous cabin (2,520 l volume)
with a field of vision of 77°



Excellent all-round visibility for the driver: 72% (for a
circle with a diameter of 24 m)



300° front windscreen wiper and 97° side windscreen
wiper for best visibility; heated windscreen made of
laminated safety glass

- + Ideal for front loader work and best visibility of attachments in the front and rear
- + Optional front window made of laminated safety glass (LSG) with windscreen heating

Concept.

VisioPlus cabin – Unique comfort



Cat. 4 filter protection function ex works

New premium driver's seat with memory and massage function

Large cooler and warmer for long working days

Digital, high-resolution bonnet and rear camera for a good view of attachments

+ Perfect for long working days

Fendt 600 Vario – Front loader

Front loader.

FENDT

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Fendt Cargo 4/Fendt Cargo 5.

Fendt CargoProfi 4 / Fendt CargoProfi 5

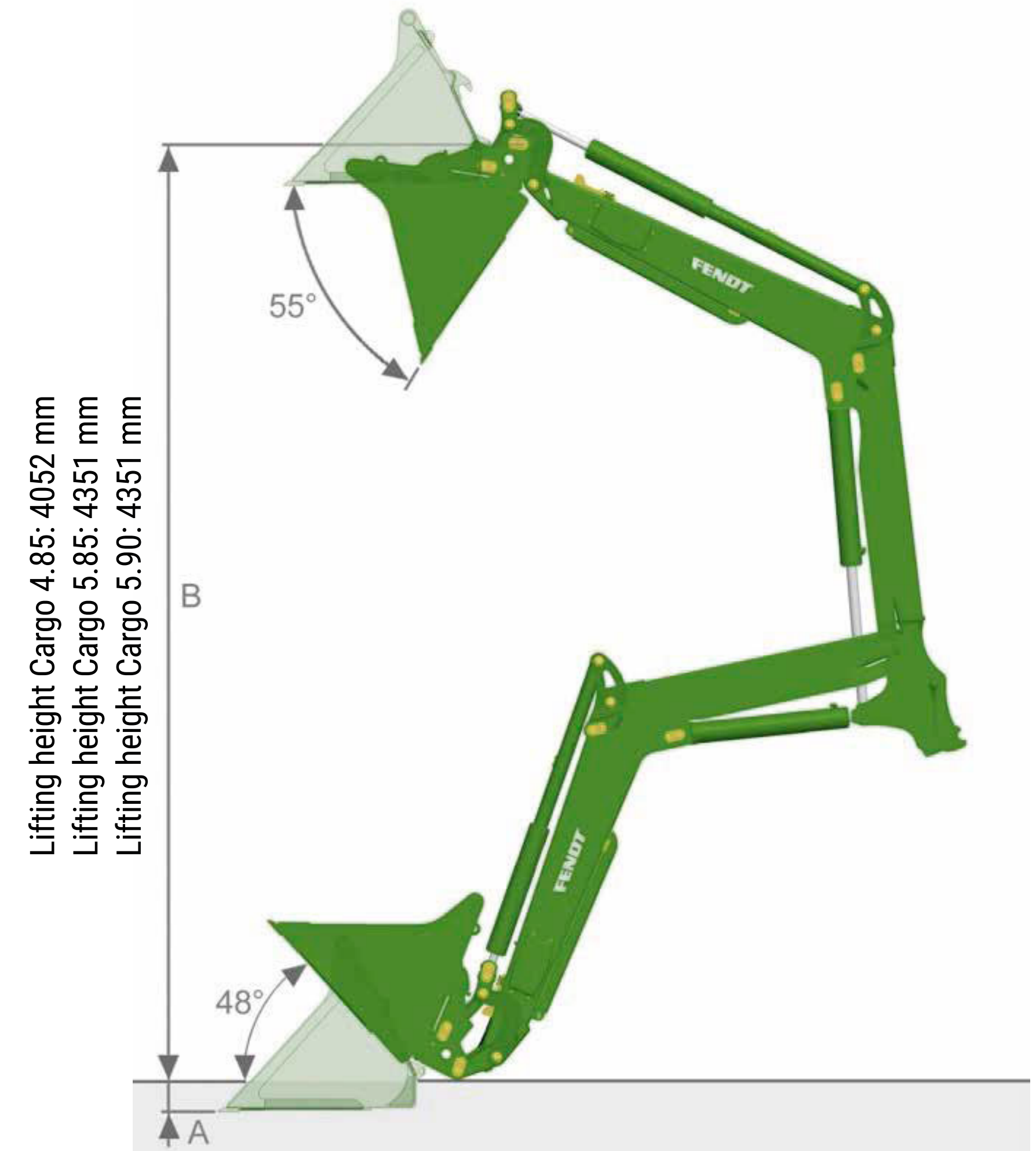


Fendt Cargo 4/Fendt Cargo 5.

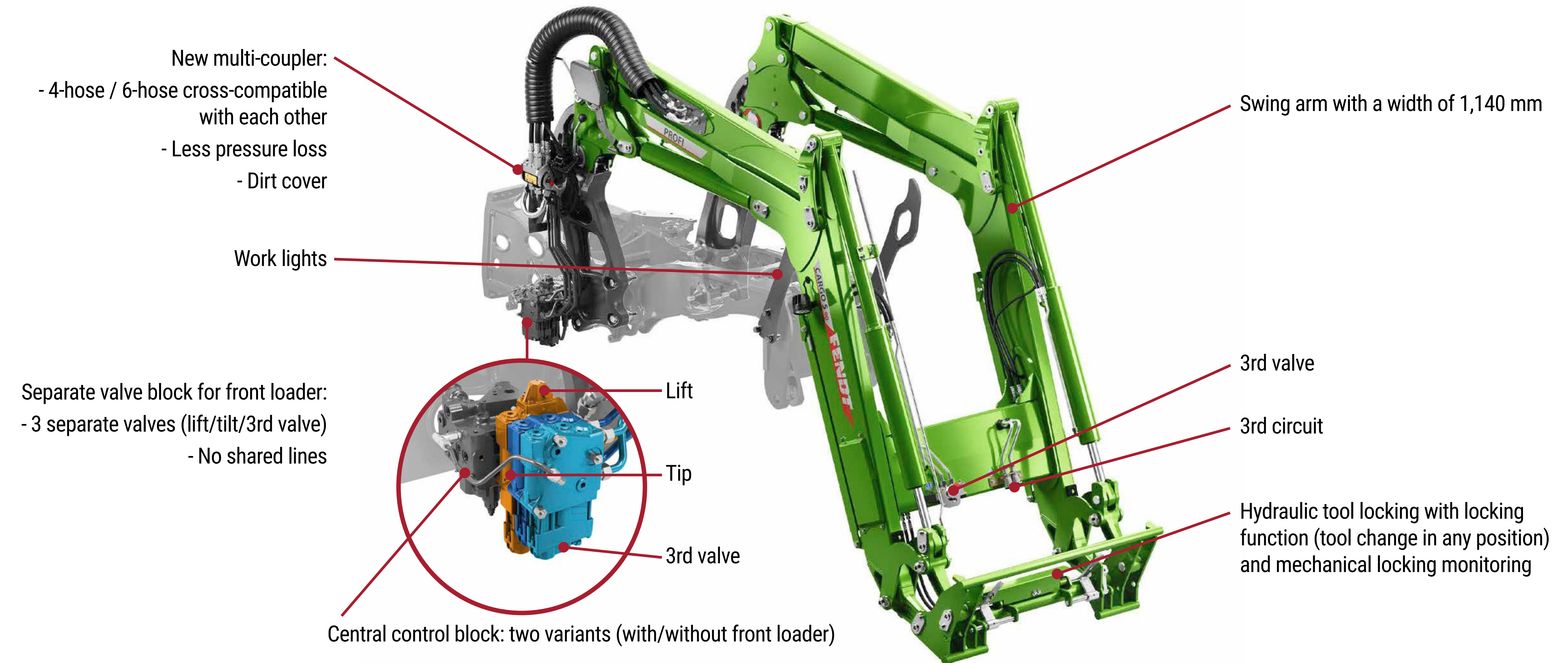
Fendt Cargo 4 / Fendt Cargo 5 at a glance

- New front loader generation with a swing arm width of 1,040 mm
- New multi-coupler:
 - 4-hose/6-hose cross-compatible with each other
 - Less pressure loss
 - Dirt cover
- Own valve block with 3 separate valves >> No corresponding lines

Front loader model		Fendt Cargo 4.85	Fendt Cargo 5.85	Fendt Cargo 5.90
Continuous lifting capacity	kN	26.0	26.0	29.5
Max. lift capacity	kN	30.0	30.0	34.6



Fendt Cargo 4/Fendt Cargo 5.



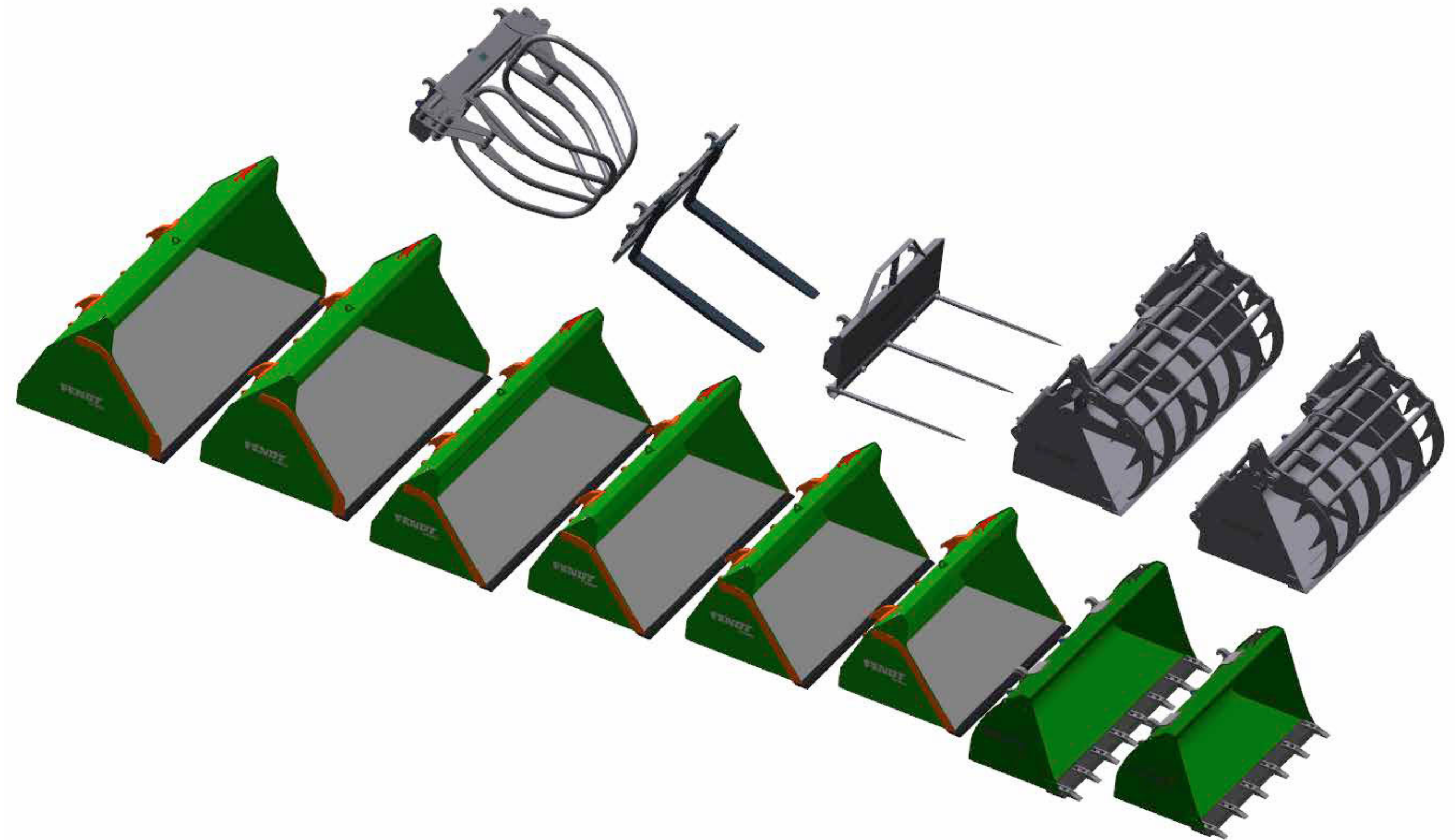
Fendt Cargo 4/Fendt Cargo 5.

Compatibility with Fendt Cargo 4X and 5X

- ✓ • possible: new Fendt Cargo 4/5/6 on new tractors (SOP from 2022)
- ✗ • Not possible for safety reasons: new Fendt Cargo 4/5/6 on old tractors (SOP until 2021)
- Only possible to a limited extent; cannot be ordered from the factory: Fendt Cargo 4X and 5X on new tractors >> Limited range of functions, e.g., no tool change in all positions
 - Conversion kit for multi-couplers and lines is being planned

Fendt Cargo 4/Fendt Cargo 5.

Model	Width/permissible weight
Light material bucket	2100 mm 2400 mm
Heavy material bucket	1600 mm 2000 mm
Universal bucket	1600 mm 1850 mm 2100 mm 2400 mm
Round bale tine	Ø Bales = 900 – 1900 mm
Large bale fork	1500 mm
Silage grab bucket	1800 mm 2200 mm
Pallet fork	2000 kg



Fendt CargoProfi 4 / Fendt Cargo Profi 5.

CargoProfi features

- Integrated weighing function in every position (individual and totalised weight)
- Limitation of working ranges (lifting height and tilt angle)
- Memo function (storage of swing arm and tool position)
- Maintenance display of lubrication cycles via terminal
- Shaking function (for shaking out sticky loads)
- End position damping (minimisation of trickle losses)



Fendt Services

Fendt Services.



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Fendt Services

Fendt Care



Fendt Services.



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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 – Service contracts and warranty extension
- Fendt Certified – Used machine programme



You can contact the certified service partners around the clock via the Fendt Customer Hotline

+44 330 123 9909

Fendt Services.

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, flexible terms and projectable costs
- 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
- Includes warranty

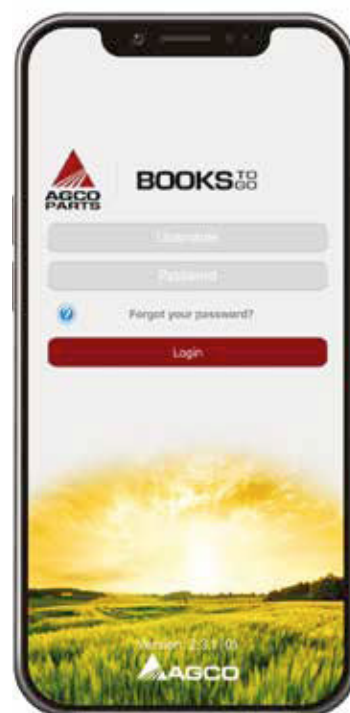
Fendt Care – Service contracts and warranty extension

- Tailored maintenance and repair service that goes beyond the warranty
- Maximum safety of use
- Flexible terms and rates with and without deductible
- Full cost control and planning security
- Only original parts used with guaranteed production quality and tested for reliability for maximum value retention of the Fendt machine

Fendt Care.

Cost control and planning security with the Fendt Care rates

- Comprehensive range of services to ensure operational safety and 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

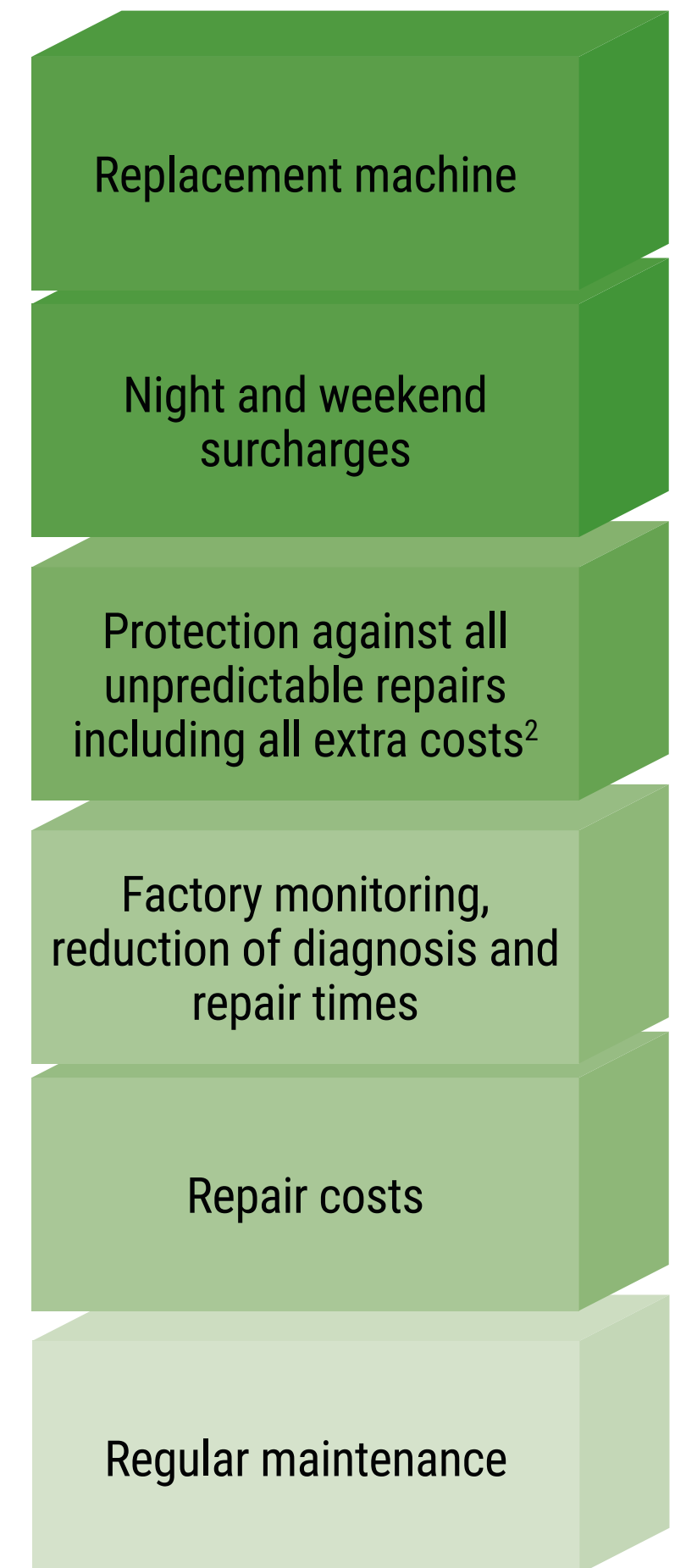


App Store

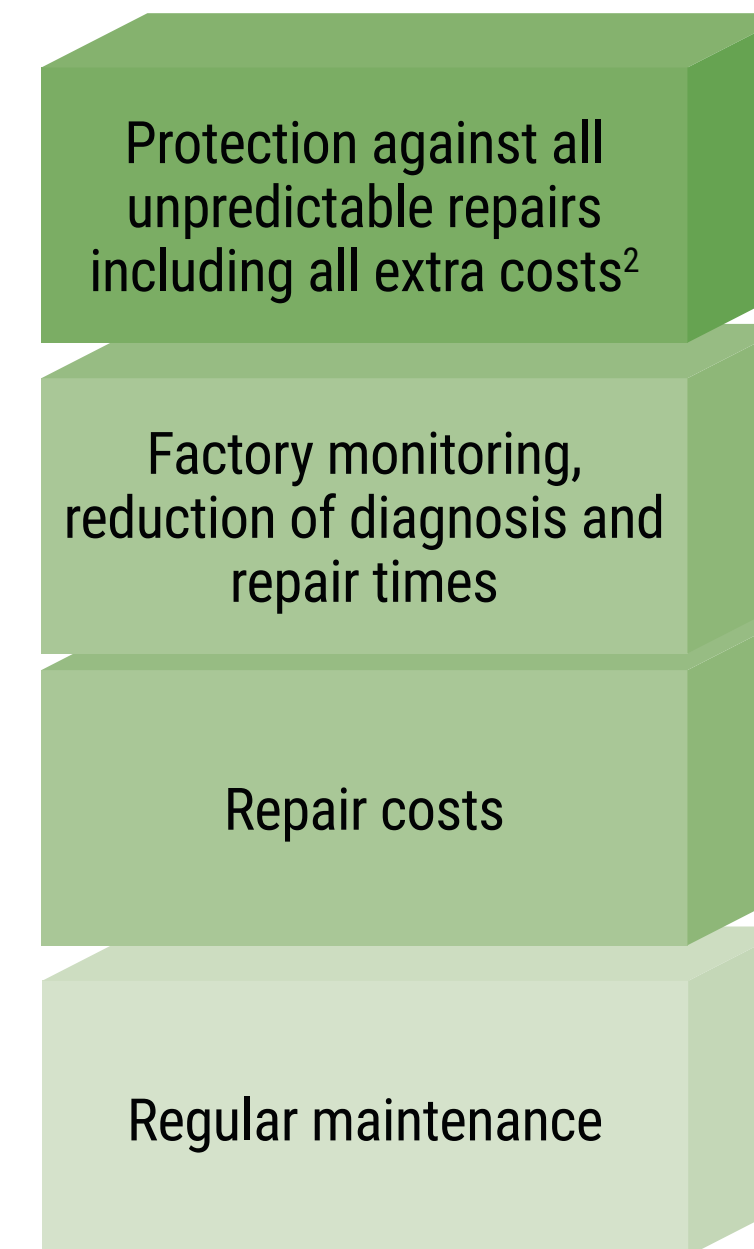


Google Play Store

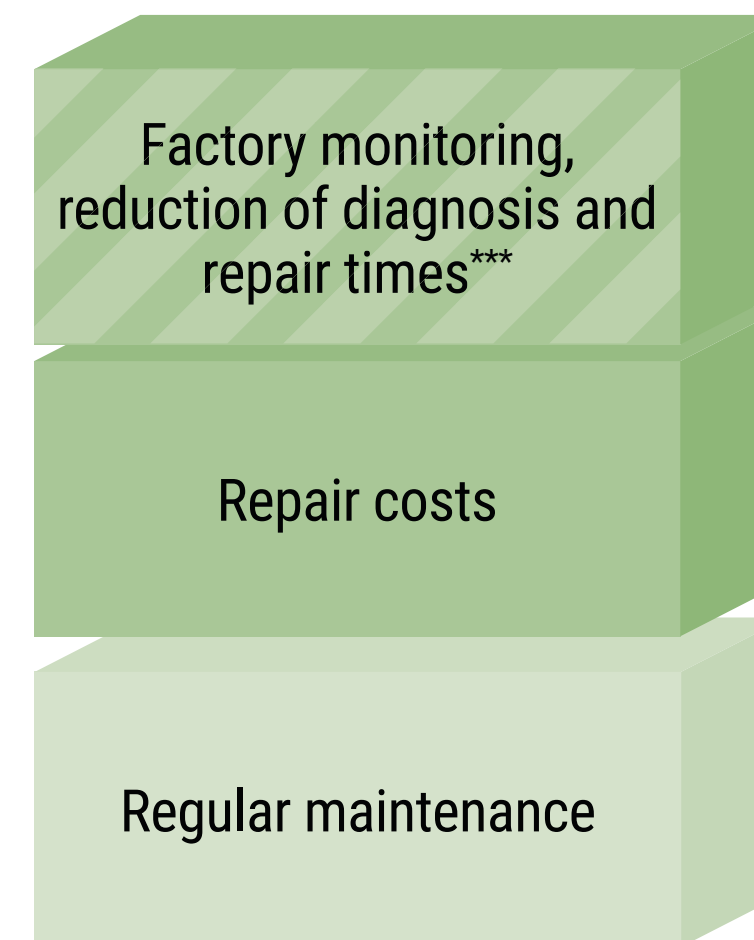
Platinum** Complete cost coverage¹ & guaranteed machine run time



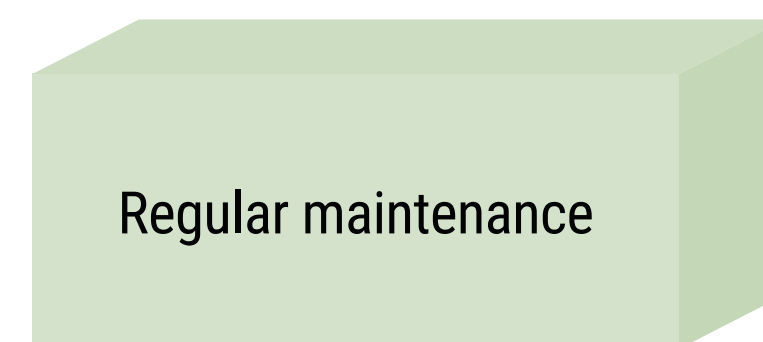
Gold* Complete cost coverage¹






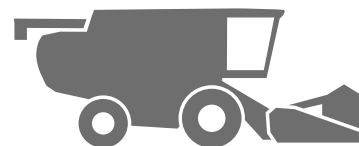








Silver Coverage of repair risks¹



Bronze Fixed maintenance costs



Fendt Care.

	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 loader ⁸	Wheeled tractor with Fendt Connect						
Customer benefit (deductible)	Operation safety of the machine	Coverage of large-scale damage ³ (490 €)	Comprehensive coverage at attractive rates (190 €)	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 OH ⁴	 3 years / 4,000 OH ⁵	 3 years / 25,000 bales ⁶	 5 Years / 50,000 Bales	 8 Years / 4,000 pump-H	 5 Years / 8,000 OH	 5 years / 750 OH ⁷
	OH = operating hours; H = hours; ¹ excluding wear and tear; ² travel costs, recovery / towing, troubleshooting with additional diagnostic tools, use of dynamometer, oils and filters if engine / transmission is repaired; ³ only available for machines with self-propelled & RG300 & Momentum; ⁴ ISOBUS-enabled machines only; ⁵ PR, VR & XR only; ⁶ incl. Collector; ⁷ Momentum 16 & 24 only; ⁸ Gold rate for telehandler also available without Connect; * Gold rate only available in DE/FR/GB/IT/BG/CZ/EE/HR/HU/LT/LV/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									

Fendt 600 Vario



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Technical specifications - overview.

Technical Specifications

Equipment variants



Technical specifications.

		614 Vario	616 Vario	618 Vario	620 Vario
Engine					
Rated power ECE R 120	kW/hp	110/149	124/169	139/189	154/209
Maximum power with DP ECE R 120	kW/hp	121/164	135/184	150/204	165/224
Constant power ECE R 120	kW/hp	1450-1900	1500-1900	1600 - 1900	1700 - 1900
No. of cylinders	number	4	4	4	4
Cylinder bore/stroke	mm	101/126	101/126	101/126	101/126
Cubic capacity	cm ³	5017	5017	5017	5017
Rated speed	rpm	1900	1900	1900	1900
Max. torque	Nm	793	861	904	950
Fuel level	litres	347.0	347.0	347.0	347.0
AdBlue tank	litres	36.0	36.0	36.0	36.0
Oil change interval	working hours	500	500	500	500
Exhaust gas after-treatment		SCR+DPF	SCR+DPF	SCR+DPF	SCR + DPF
Transmission and PTO					
Transmission type		TA 150	TA 150	TA 150	TA 150
Speed range forward	km/h	0,02 - 50	0,02 - 50	0,02 - 50	0,02 - 50
Speed range reverse	km/h	0,02 - 33	0,02 - 33	0,02 - 33	0,02 - 33
Top speed	km/h	50	50	50	50
Rear PTO		540/ 540E / 1000/ 1000E	540/540E/1000/1000E	540/540E/1000/1000E	540/540E/1000/1000E

Technical specifications.

		614 Vario	616 Vario	618 Vario	620 Vario
Front PTO option		1000	1000	1000	1000
Engine rpm at rated speed of rear PTO (540 PTO)	rpm	1802	1802	1802	1802
Engine rpm at rated speed of rear PTO (540E PTO)	rpm	1432	1432	1432	1432
Engine rpm at rated speed of rear PTO (1000 PTO)	rpm	1833	1833	1833	1833
Engine rpm at rated speed of rear PTO (1000E PTO)	rpm	1457	1457	1457	1457
Engine rpm at rated speed of front PTO (1000 PTO)	rpm	1900	1900	1900	1900

Power lift and hydraulics

Variable flow pump	l/min	152	152	152	152
Variable flow pump option 1	l/min	205	205	205	205
Working pressure / control pressure	bar	200 + 10	200 + 10	200 + 10	200 + 10
Max. valves (front/centre/rear) Power	number	1/2/4	1/2/4	1/2/4	1/2/4
Max. valves (front/centre/rear) Power+	number	1/2/5	1/2/5	1/2/5	1/2/5
Max. valves (front/centre/rear) Profi / Profi+	Number	2/3/5	2/3/5	2/3/5	2/3/5
Max. hydraulic oil filling	approx. litres	80	80	80	80
Max. available hydraulic oil volume	litres	65	65	65	65
Flow rate of control valves (valve 1)	l/min	120 (UDK) 140 (DUDK)	120 (UDK) 140 (DUDK)	120 (UDK) 140 (DUDK)	120 (UDK) 140 (DUDK)
Flow rate of control valves (valve 2)	l/min	120 (UDK) 140 (DUDK)	120 (UDK) 140 (DUDK)	120 (UDK) 140 (DUDK)	120 (UDK) 140 (DUDK)
Flow rate of control valves (valve 3)	l/min	120 (UDK) 140 - 170 (DUDK)	120 (UDK) 140 - 170 (DUDK)	120 (UDK) 140 - 170 (DUDK)	120 (UDK) 140 - 170 (DUDK)
Flow rate of control valves (valve 4)	l/min	120 (UDK) 140 - 170 (DUDK)	120 (UDK) 140 - 170 (DUDK)	120 (UDK) 140 - 170 (DUDK)	120 (UDK) 140 - 170 (DUDK)

Technical specifications.

		614 Vario	616 Vario	618 Vario	620 Vario
Flow rate of control valves (valve 5)	l/min	120 (UDK) 140 (DUDK)	120 (UDK) 140 (DUDK)	120 (UDK) 140 (DUDK)	120 (UDK) 140 (DUDK)
Flow rate of control valves (valve 7)	l/min	Front 120 (UDK)	Front 120 (UDK)	Front 120 (UDK)	Front 120 (UDK)
Flow rate of control valves (valve 8)	l/min	Front 120 (UDK)	Front 120 (UDK)	Front 120 (UDK)	Front 120 (UDK)
Max. lift capacity of rear power lift	daN	9790	9790	9790	9790
Max. lift capacity of front power lift	daN	4418	4418	4418	4418

Electrical features

Battery power	Ah/V	180/12	180/12	180/12	180/12
Alternator	V/A	14/200	14/200	14/200	14/200
Max. transferable current ISOBUS socket	A	60 + 25	60 + 25	60 + 25	60 + 25

Tyres

Front tyres (standard)		480/70 R28	540/65 R28	540/65 R28	540/65R30
Standard tyres rear		580/70 R38	650/65 R38	650/65 R38	650/65R42
1st option for front tyres		540/65 R30	540/65 R30	540/65 R30	600/65R28
1st option for rear tyres		650/65 R42	650/65 R42	650/65 R42	710/70R38

Dimensions

Front track width (standard tyres)	mm	1950	1950	1950	1950
Rear track width (standard tyres)	mm	1880	1880	1880	1880
Overall width with standard tyres	mm	2550	2550	2550	2550

Technical specifications.

		614 Vario	616 Vario	618 Vario	620 Vario
Overall length	mm	5197	5197	5197	5197
Total height of driver's cab with standard tyres without Fendt Guide	mm	3090	3090	3090	3090
Total height of driver's cab with standard tyres with Fendt Guide	mm	3145	3145	3145	3145
Max. ground clearance	mm	550	550	550	550
Wheelbase	mm	2720	2720	2720	2720
Small turning radius with standard tyres	m	10.1	10.1	10.1	10.1

Weights

Operating weight (incl. common accessories - +/- 5%)	kg	7487	7577	7577	7740
Max. permissible overall weight	kg	13500.0	13500.0	13500.0	13500.0
Max. trailer hitch load	kg	2000.0	2000.0	2000.0	2000.0
Max. permissible front axle load	kg	6000.0	6000.0	6000.0	6000.0
Max. permissible front axle load up to 8 km/h	kg	9000.0	9000.0	9000.0	9000.0
Max. permissible rear axle load (country-specific)	kg	10000.0	10000.0	10000.0	10000.0

Equipment variants.*

* Please refer to the Settings for equipment variants

Standard and optional equipment

Standard:

Optional:



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	600 Vario Power	600 Vario Power+	600 Vario Profi	600 Vario Profi+
Engine				
Low-speed concept Fendt iD	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Reversible fan	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fuel pre-filter (heated)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Preheater unit (engine, transmission, hydraulic oil)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Transmission				
VarioDrive with variable torque distribution between the front and rear axle	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Shuttle function, stop-and-go function	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Guidance system				
Guidance system basic package		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
Standard Trimble / NovAtel		<input type="checkbox"/>		<input type="checkbox"/>
RTK Trimble / NovAtel		<input type="checkbox"/>		<input type="checkbox"/>
TI Headland (TI Auto & TI Turn Assistant)				<input type="checkbox"/>
Contour Assistant		<input type="checkbox"/>		<input type="checkbox"/>
Implement Slope Compensation		<input type="checkbox"/>		<input type="checkbox"/>
Agronomy				
Agronomy basic package		<input type="checkbox"/>		<input checked="" type="checkbox"/>

Equipment variants.*

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Standard and optional equipment

Standard:

Optional:



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	600 Vario Power	600 Vario Power+	600 Vario Profi	600 Vario Profi+
Telemetry				
Telemetry basic package	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Smart Connect				<input checked="" type="checkbox"/>
Machine control				
Machine control basic package		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Front implement control		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Section Control		<input type="checkbox"/>		<input type="checkbox"/>
Variable Rate Control		<input type="checkbox"/>		<input type="checkbox"/>
Fendt Implement Management (TIM)				<input type="checkbox"/>
Fendt Implement Management (TIM-Steering)		<input type="checkbox"/>		<input type="checkbox"/>
Vario operation				
Multi-function joystick with cruise control, engine speed memory, automatic modes, controls for hydraulics	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3L joystick		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Individual Operation Manager – flexible key assignment	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Digital Dashboard	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
12" terminal with touchscreen and key control	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Second 12" terminal in roof			<input type="checkbox"/>	<input type="checkbox"/>
Fendt Active steering		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>

Equipment variants.*

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Standard and optional equipment

Standard:

Optional:



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	600 Vario Power	600 Vario Power+	600 Vario Profi	600 Vario Profi+
Electronic immobiliser	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Without immobiliser	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cab				
Active charcoal filter	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Category 4 cab air filter system	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pneumatic cab suspension	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Pneumatic cab suspension, 3-point with integral self-levelling			<input type="checkbox"/>	<input type="checkbox"/>
Super comfort seat 3-point belt	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comfort seat, air sprung	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Super Comfort Seat, air sprung	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SuperComfort Seat Titanium Leather/DL Electric			<input type="checkbox"/>	<input type="checkbox"/>
SuperComfort Seat Titanium / DL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SuperComfort Seat EvolutionUp DuMo / DL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comfort instructor seat			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Air-conditioning	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Integrated automatic climate control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Climate-controlled storage compartment	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Cooler and thermal box	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Split windscreen and door on right	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Equipment variants.*

* Please refer to the Settings for equipment variants

Standard and optional equipment

Standard:

Optional:



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

	600 Vario Power	600 Vario Power+	600 Vario Profi	600 Vario Profi+
One-piece windscreen and door on right	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Front windscreen laminated safety glass, heated	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rear window heated	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Roller shade rear			<input type="checkbox"/>	<input type="checkbox"/>
Segment wipers front	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Segment windscreen wiper / 2 wiper fields - 180/300 degrees (continuous windscreen)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Rear window wash/wipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Side window wash/wipe system right	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comfort mirror + clearance light	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Retractable comfort mirror + clearance light		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Roof mounted rear camera			<input type="checkbox"/>	<input type="checkbox"/>
Hood mounted front camera			<input type="checkbox"/>	<input type="checkbox"/>
Terminal bracket	<input type="checkbox"/>			
Universal mobile phone holder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Universal tablet holder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Two additional coaxial speakers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Infotainment bundle + 4.1 sound system			<input type="checkbox"/>	<input type="checkbox"/>
4 camera connections			<input type="checkbox"/>	<input type="checkbox"/>
4 USB ports		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Equipment variants.*

* Please refer to the Settings for equipment variants

Standard and optional equipment

Standard:

Optional:



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	600 Vario Power	600 Vario Power+	600 Vario Profi	600 Vario Profi+
EC tachograph standard	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fendt Reaction steering system	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Radar sensor	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Self-cancelling indicators	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Electric battery disconnect switch	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Floor mat	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Low beam and high beam	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Low beam and high beam LED	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lighting				
Auxiliary lights front	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Auxiliary LED lights at front	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Work lights A-pillar	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
A-pillar LED work lights	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Work lights A-pillar, rear mudguard	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Work lights LED A-pillar, rear mudguard	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Roof rear work lights / 2 pairs	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Roof rear LED work lights / 2 pairs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Working lights roof front LED / 2 pair	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Roof front working lights / 2 pair	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Equipment variants.*

* Please refer to the Settings for equipment variants

Standard and optional equipment

Standard:

Optional:



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

	600 Vario Power	600 Vario Power+	600 Vario Profi	600 Vario Profi+
Working lights bonnet top LED			<input type="checkbox"/>	<input type="checkbox"/>
LED rear lights	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Daylight running light			<input type="checkbox"/>	<input type="checkbox"/>
LED rotating beacons	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chrome package			<input type="checkbox"/>	<input type="checkbox"/>
Chassis				
Front axle suspension self-levelling, lockable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Steering brake		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pneumatic high-speed dual-circuit braking system 1 pedal	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Pneumatic high-speed dual-circuit braking system 2 pedal		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Automatic trailer steering axle lock			<input type="checkbox"/>	<input type="checkbox"/>
Trailer brake assistant	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Compressed air Duomatic coupling	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
VarioGrip tyre pressure regulation system	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4WD / differential locks				
Smart 4-wheel drive	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Rear / front differential with 100% disc locking and steering angle sensors	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Equipment variants.*

* Please refer to the Settings for equipment variants

Standard and optional equipment

Standard:

Optional:



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	600 Vario Power	600 Vario Power+	600 Vario Profi	600 Vario Profi+
Power lift				
Single-action Comfort front power lift with position adjustment and external controls	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comfort front power lift da, with position control and relief control, external controls	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Electrohydraulic power lift sa (EHR), with external controls	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
EHR power lift double acting with external actuation, relief control			<input type="checkbox"/>	<input type="checkbox"/>
PTO				
Front: 1000 rpm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rear: Flanged PTO 540/540E/1000/1000E rpm	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
External controls for rear PTO	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Hydraulics				
External control for hydraulic control unit at rear	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
External operation of front hydraulic control unit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Load sensing system with axial piston pump (152 l/min)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Load sensing system with axial piston pump (205 l/min)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1st and 2nd EHS valve at rear	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3rd EHS valve at rear	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4th EHS valve at rear	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5th EHS valve at rear			<input type="checkbox"/>	<input type="checkbox"/>

Equipment variants.*

* Please refer to the Settings for equipment variants

Standard and optional equipment

Standard:

Optional:



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	600 Vario Power	600 Vario Power+	600 Vario Profi	600 Vario Profi+
1st front EHS valve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2nd front EHS valve			<input type="checkbox"/>	<input type="checkbox"/>
Hydraulic power beyond connection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hydraulic connection Power-Beyond FFC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Return Front	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Flat-face hydraulic couplings (FFC)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Double connect-under-pressure lever couplings rear	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CUP coupling rear	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Bio hydraulic oil	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Additional equipment				
Manual hitch	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Automatic trailer hitch with remote control, rear	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Ball coupling, height adjustable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ball coupling, short, in the bottom hitch	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ball coupling, long, in the bottom hitch	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hitch	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Drawbar	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Piton-fix	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Equipment variants.*

* Please refer to the Settings for equipment variants

Standard and optional equipment

Standard:

Optional:



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	600 Vario Power	600 Vario Power+	600 Vario Profi	600 Vario Profi+
Comfort ballast for front-end weight (not available with front power lift)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Front weights, various sizes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Wheel weights, rear wheels	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Forced steering (one or two-sided)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pivoting front wheel mudguard	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
ABS trailer sockets	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Front loader				
Front loader attachment parts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Mounting parts 3. valve for FL		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fendt Cargo 4.85	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fendt Cargo 4.85 3rd valve		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fendt Cargo 5.85	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fendt Cargo 5.85 3rd valve		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fendt Cargo 5.85 Profi			<input type="checkbox"/>	<input type="checkbox"/>
Fendt Cargo 5.85 Profi - 3rd valve			<input type="checkbox"/>	<input type="checkbox"/>
Fendt Cargo 5.90	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fendt Cargo 5.90 3rd valve		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fendt Cargo 5.90 Profi			<input type="checkbox"/>	<input type="checkbox"/>
Fendt Cargo 5.90 Profi - 3rd valve			<input type="checkbox"/>	<input type="checkbox"/>

Equipment variants.*

* Please refer to the Settings for equipment variants

Standard and optional equipment

Standard:

Optional:



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

	600 Vario Power	600 Vario Power+	600 Vario Profi	600 Vario Profi+
Working lights front loader LED			<input type="checkbox"/>	<input type="checkbox"/>
Multi coupl. FL tool	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Multi hose coupl. FL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FL -Multiple coupler/tool 3rd circuit + 3rd valve for FL		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FL -Multiple coupler/trailer 3rd valve for FL		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Suspension system DA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FL – hydr. attachment lock	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>