

6 SERIES.

PROFESSIONAL RANGE.



6-cylinder tractors from 164 to 226 HP
AGROTRON · RCSHIFT · TTV





TOMORROW'S TRACTORS CANNOT BE BUILT WITH YESTERDAY'S TECHNOLOGY.

High performance tractors from Europe's
most modern tractor factory.

Farmers and contractors invest in innovative technology, top quality, ergonomic operation and maximum productivity. The DEUTZ-FAHR tractor range from 39 to 340 HP offers the right model for any operation and application: useful equipment packages and a comprehensive selection of practical variants turn any tractor into an individual high performance work tool.

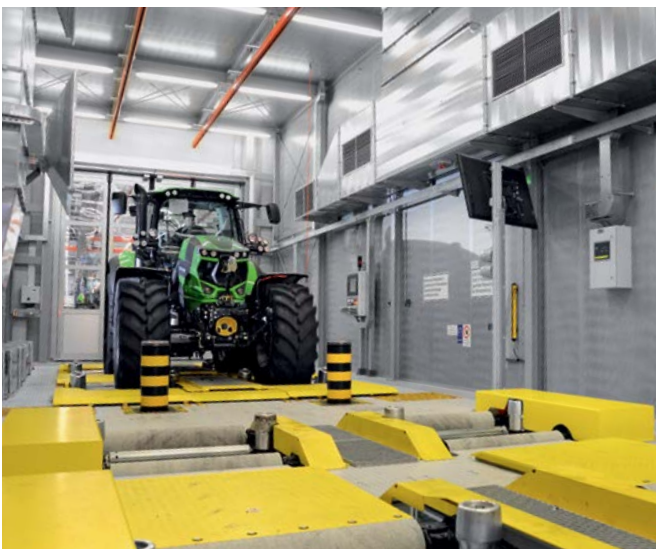
In combination with the most advanced precision farming systems, DEUTZ-FAHR offers customised technological solutions for maximum

efficiency on the field and on the road. DEUTZ-FAHR is therefore the best partner when it comes to maximising the economic efficiency of your operation.

Europe's most modern tractor factory opened in Lauingen on the Danube in 2017 under the name DEUTZ-FAHR Land. This is where the high performance tractors from 140 to 340 HP are manufactured for the global market.



↑ We set new standards for production efficiency and quality.



↑ Unique in tractor manufacturing: chassis dynamometer and axle suspension test bed.



↑ High tech made in Germany.

DEUTZ-FAHR SERVICE.

Not just close, but also fast.

- High quality requirements
- Original spare parts in premium quality
- Fast and efficient spare parts service
- On-time deliveries – worldwide
- Varied product range
- Excellent price-performance ratio



THE SERIES 6.

Clever design.

The design of the Series 6 has only one objective: to make daily tasks on field and farm easier.

TCD engine.

The water cooled 6-cylinder in-line engine with the powerful common rail injection system and the electronic engine control ensures top engine performance with low fuel consumption. > PAGE 14

Compact cooling system.

Highly efficient and compact cooling system. Easy and fast maintenance thanks to the exclusive opening system. > PAGE 16

Front axle and brake system.

The front axle concept and the brake system are unique in this performance range. The front axle is equipped with an adaptive system with three automatic suspension levels. > PAGE 26



Built with respect for individual requirements.

The agricultural industry is highly diverse. Each individual operation has its own completely individual success strategy. Some go for size, others for specialisation, in milk production, livestock, or arable farming. Others successfully adopt a mixed approach based on soil, climate conditions and market opportunities. Whether large, medium or small operation, contractor or local authority, however diverse the profile, they all have one thing in common – they need to be successful. The tractor technology consequently has to match their working profile perfectly. Ploughing, sowing, transporting, harvesting

crops, front loader work – everyone has an individual application profile for their tractor. The same applies to the range of options and equipment. DEUTZ-FAHR has developed the new Series 6 for all these requirements. With 3 models ranging from 164 to 226 HP, different wheelbases, 6-cylinder engines, two transmission options, cabin with different comfort levels and countless additional configuration options, you can customise the best technology mix in this tractor class.



Driving comfort.

The MaxiVision cabs are available with mechanical or pneumatic cab suspension. In combination with the suspended front axle suspension, this ensures fantastic driving comfort. > PAGE 8

MaxCom control armrest.

The integrated, highly ergonomic MaxCom joystick allows intuitive control of e. g. driving speed, driving direction, Comfortip headland management, front and rear linkage – from manual to fully automatic. > PAGE 10

Precision farming.

Perfect, easy control and monitoring of all processes with the iMonitor3 – from tractor functions and ISOBUS applications to automatic control systems and data management. > PAGE 34

Powerful hydraulics.

Electro-hydraulically actuated hydraulic valves, up to five hydraulic valves in the rear and two at the front. Hydraulic pump output up to 170 l/min and up to 10,000 kg lifting capacity of the rear linkage. > PAGE 30

Maximum gear range.

Excellent technology and high efficiency. Both transmissions (RCshift or TTV) are easy to operate (manual, fully automatic, continuous), easy to program and easy to monitor. > PAGE 20

6 SERIES	6165		6185		6215	
	RC-Shift	TTV	RC-Shift	TTV	RC-Shift	TTV
Maximum power (ECE R120) - (HP)	164		188	183	212	
Maximum power with boost function (ECE R120) - (HP)	171		-	188	226	

More technical data can be found on PAGES 42–51.





For all tasks at the farm, in the field or on the road, the question is: “How comfortable should a tractor be?” The Series 6 from DEUTZ-FAHR has the answer: “As comfortable as you want it to be.”



Highlights

- Maximum configuration options
- The separation between cab and bonnet ensures less noise, fewer vibrations and less heat radiation
- Great visibility thanks to the large cab windows and optimised bonnet dimensions
- LED package with up to 40,000 lm

RELAXED WORKING.

Made possible by the comfort cab.

The unique features of the MaxiVision 2 cab are evident on the inside and on the outside. When it comes to ease of use and ergonomics, the new state of the art Series 6 models make many tasks easier for the driver. The new InfoCentrePro in the steering console is equipped with a 5" colour display, continuously providing the driver with the current operating information. It is easy to read and adapt. TTV models feature an additional WorkMonitor on the right pillar, displaying real-time operating information. The interior offers a peaceful working environment. The separation between cab and bonnet shields the driver from engine noise, vibrations and heat. The bonnet embodies the modern, contemporary look of the DEUTZ-FAHR tractor family while allowing an excellent view to the

front. The cab is offset to the rear, ensuring the best possible view of rear attachments. To allow precise, stress-free working in all light conditions, the tractor can optionally be equipped with a 40,000 lm LED package with up to 16 work lights.

Other features which highlight the comfort level are the large windows and the closing concept for the doors. The air conditioning system with convenient automatic functions optimises the temperature in the cab, while the largest number of vents in this tractor class guarantee uniform air distribution unlike in any other model. With the MaxiVision 2 cab, you can look forward to extremely comfortable and efficient working.



↑ State of the art dashboard with InfoCentrePro: 5" high-resolution colour display for customisable information concept at top level. The code lock in the tractor ensures security – lock and unlock with a PIN.



↑ Up to 16 LED work lights (generation IV, 2,500 lm per light).



↑ Three different roof configurations. Best possible view for front loader work.



↑ Now available for all TTV models: Seat with up to 20° rotation for added comfort and ease of operation.



FULL CONTROL.

Intuitive control from manual
to fully automatic.



↑ The hydraulic valves are equipped with proportional control and can be fully programmed for time and quantity. The electronic joystick can be programmed to control the front loader, whereas other control valves can be operated using the thumbwheel.



↑ The PTO control is easy and reliable to operate with a push button on all cab variants.



↑ The front linkage (TTV only) and rear linkage control can be fine adjusted with the potentiometer in the armrest.

The comfortable armrest allows highly intuitive operation of the Series 6. All routine functions can be automated. The new, highly ergonomic MaxCom joystick on the armrest controls everything from driving speed, direction of travel and cruise control to the Comfortip system and rear and front linkages. The intuitive concept requires no change of hand position or contemplation. The MaxiVision 2 cab is available for TTV and RCshift models with electro-hydraulic control valves. On all models, the front and rear linkages can be

mechanically or electro-hydraulically actuated depending on the configuration. Each model is equipped with InfoCentrePro: a digital dashboard with 5" colour display which is integrated in the adjustable steering column. All controls are clearly marked with colours and are logically arranged according to their frequency of use. This puts the driver in full control of the Series 6 at all times, for longer and more productive work periods.

How can the growing requirements for sustainability and environmental compatibility be met while working with maximum efficiency and output?
Easy – with the Series 6.





HOW TO GENERATE PRODUCTIVITY.

More output thanks to the powerful 6-cylinder TCD engines.

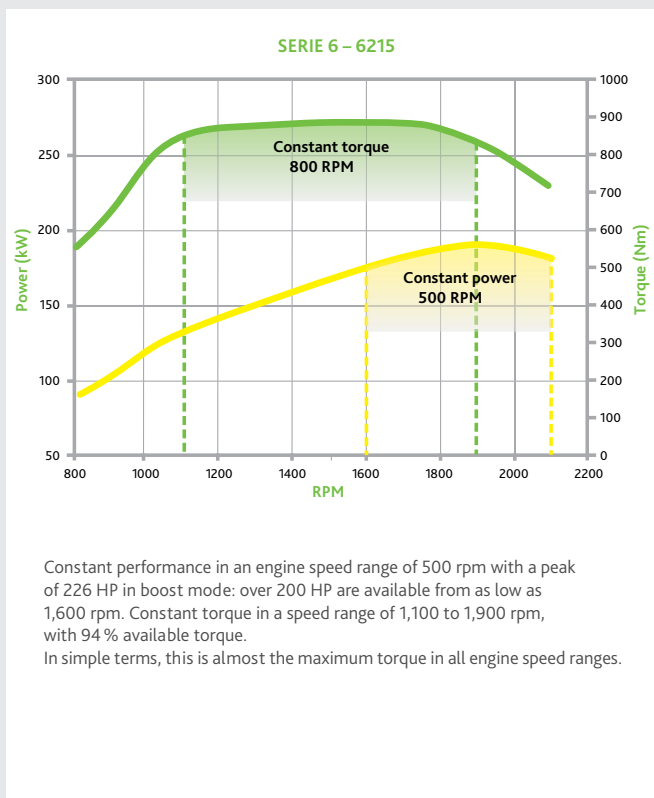
The 6-cylinder Series 6 engine has been completely revised in terms of exhaust technology and cost efficiency. They have a more direct response, offer greater torque reserves and start with a higher torque in the lower engine speed range. At the same time, fuel consumption is reduced.

All Deutz-Fahr tractors are supplied standard to Australasian markets as Tier 3 machines. What this means is the tractors do not require AdBlue and do not feature a DPF (no regenerative burns required). This means maintenance is reduced and there is no additional cost on additives like AdBlue. On the TTV models, engine efficiency is also increased by the electronic viscous fan.

The 6165 and 6185 models can be fitted with the new engine brake to provide up to 40 % greater braking power. This system ensures that the service brakes are protected, especially when on downhill slopes with heavy loads.

This increases safety and reduces maintenance costs. Operation is convenient, easy and reliable using an additional pedal, which controls a throttle valve. The braking power is automatically calibrated and optimised for the selected driving mode.

The DEUTZ-FAHR engines are a prime example of modern technology made in Germany and synonymous with reliability and efficiency at the highest level, so that you can achieve the best results.



Low fuel consumption: up to 400 l of diesel for the 6-cylinder make longer working days possible.





Highlights

- Deutz TCD 6.1 engines
- Tier 3 means no DPF or AdBlue
- Optimised engine mapping for better engine response and constant torque
- Up to 5% less fuel consumption
- Electronic viscous fan for more efficiency (TTV models)
- Engine brake for 40% more braking power (available for 6165 and 6185 models)



Highlights

- Radiator assembly with exclusive opening system
- Radiator and connection elements made entirely of aluminium
- Higher heat radiation

KEEPING COOL IN ALL CONDITIONS.

The compact, effective and maintenance friendly cooling system.



↑ Pre-cleaning system in the engine air filter: Spiral cyclone tubes and aspirator hoses remove 95 % of the dust before these can enter the primary filter.



↑ PowerCore technology for the air filter: 20 % higher air flow capacity compared to standard filters.

The maintenance friendly cooling system improves the efficiency of the engine with increased heat radiation. All radiator and connecting elements are made of aluminium for optimum thermal dissipation and high durability. The exclusive opening system allows the radiator to be fully opened, allowing for faster and easier maintenance.

When closed, the radiator assembly is very compact with a low, sloping bonnet end that allows a clear view of the front attachments. The air pre-filter is integrated into a special housing above the

radiator, where air enters into an area consisting of a row of spiral cyclone tubes for pre-filtering. A dust extraction system forces heavy dust particles downward and out through a tube, using pressure generated by a cooling fan.

The air purifying system is the proven PowerCore air filtration system – a high-tech filtration solution for maximum reliability and efficiency.





Time is precious and fuel is expensive. To achieve your goals, you have to find the right speed quickly and precisely, even with heavy loads and on any terrain. The Series 6 ensures that you are always in the right gear.



SHIFT AND CHANGE WHEN AND HOW YOU WANT!

RCshift or TTV.



RCshift: Available as a variant with mechanical control devices as a variant with multifunction armrest, electro-hydraulic control valves and iMonitor.



TTV transmission: welcome to the premier league with optimum driving and operating comfort.

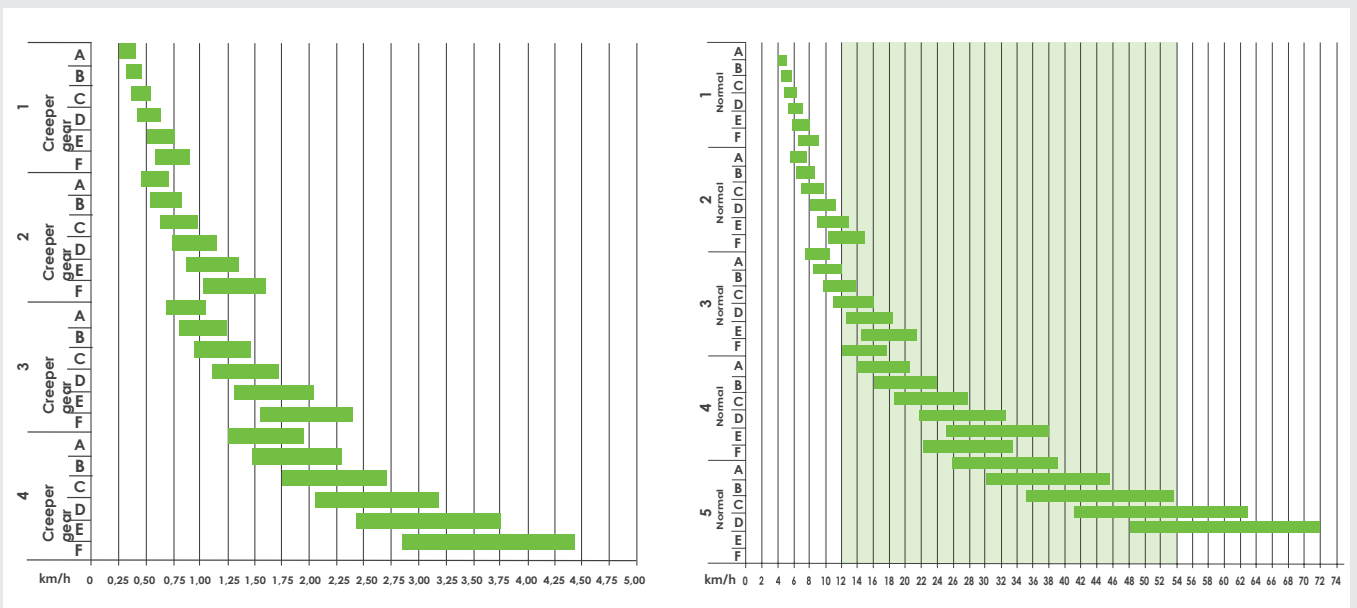
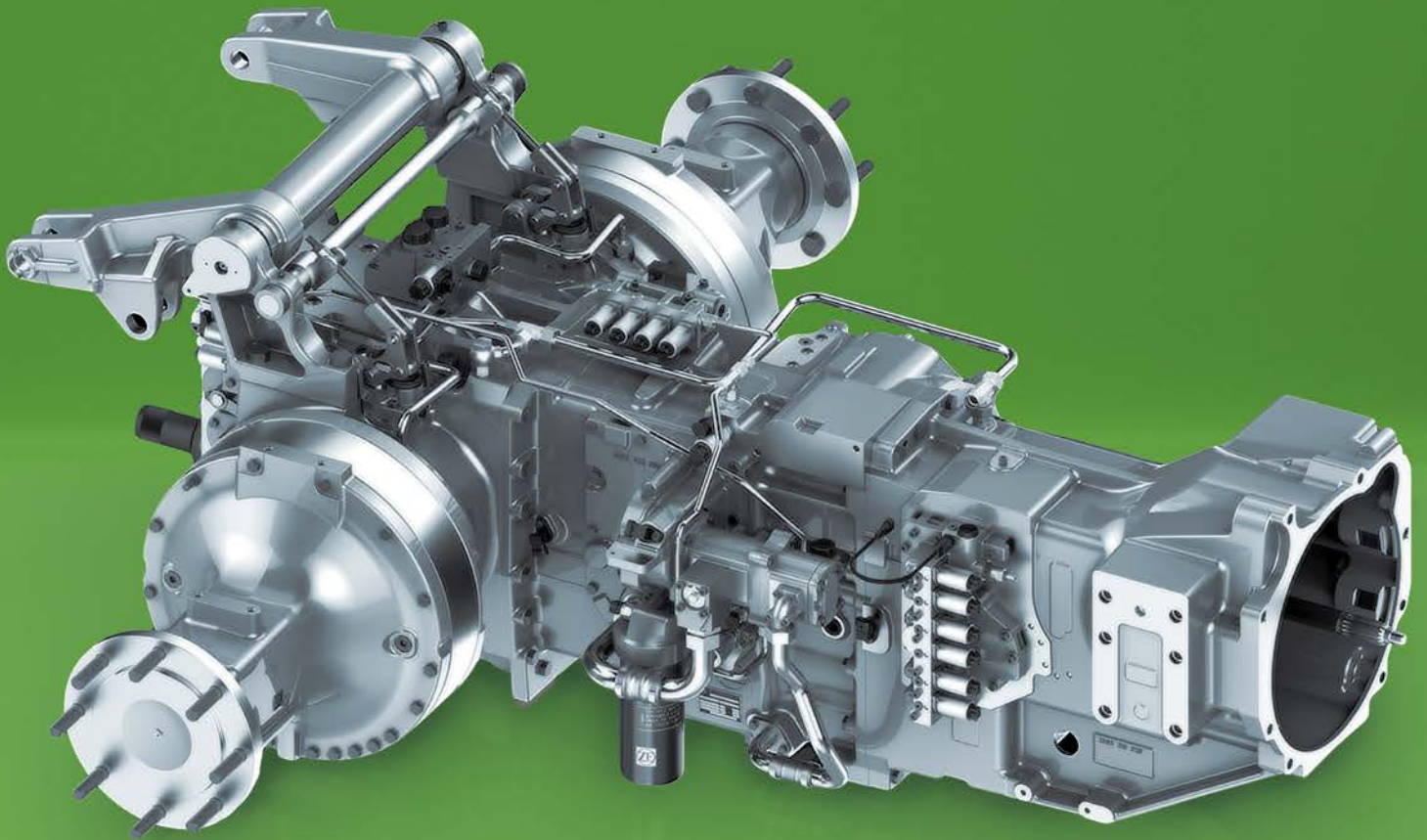


No matter the configuration, controls are kept close to hand with the multi function joystick.

What is the main task your of tractor? Yard work? Grassland work? Heavy transports? Or with heavy attachments on the field? Or a combination of all these? No matter where, the Series 6 offers exactly the right transmission for any driver demand and economic requirement. All transmissions are easy to operate, easy to program and easy to monitor using the integrated displays. They offer excellent efficiency and precision. Whether manual, fully automatic or continuous – select your level of driving comfort.

Fully automatic RCshift transmission: with five robotised gears plus six forward and three reverse Powershift gears, for total number of 30 + 15 speeds (with creeper gear: 54 + 27). 40 or 50 km/h maximum speed at a reduced engine speed and high traction power.

TTV transmission: maximum comfort in a highly efficient continuously variable transmission. This simple and reliable system can vary the speed continuously and optimise engine power without unnecessary strain or waste of fuel, resulting in more productive and easier work. These operating principles allow the TTV transmission to quickly provide the required driving speed, ensuring a smooth drive and offering advantages in terms of driving comfort and safety, particularly when driving on the road.



↑ RCshift transmission speeds:

The transmission, designed for 72 km/h, allows a reduction of the engine speed to 1,447 rpm at 50 km/h (depending on the tyres).

Highlights

- Fully automatic, comfortable gearshifting
- Four driving modes
- 50 km/h ECO and 50 km/h SuperECO
- Fine-tuned transmission with five robotised speeds and six powershift speeds
- Speed overlapping of at least 2 powershift speeds between the groups
- Only 18% gear transmission to the next gear
- 17 gears in the main working range
- 42" tyres for increased traction power and driving comfort (from model 6185)

WELCOME TO THE COMFORT ZONE!

The RCshift transmission for comfortable, efficient and fully automatic gear changes.

The RCshift transmission ensures extremely comfortable, efficient and fully automatic gear changes. Four driving modes can be selected:

- **Manual:** the driver selects the gear range and powershift gear ratios.
- **Semi-Auto:** The driver selects the gear range and the system automatically selects the powershift gear ratio.
- **Full Auto Field:** The system automatically selects the light gear range and the powershift gear ratios for towing work in the field.
- **Full Auto Road:** the system automatically selects the gear range and powershift gear ratios for transport work on the road.

50 km/h SuperECO: up to 1,447 rpm at 50 km/h enable fuel-efficient driving (depending on tyres). Speed matching function for highly comfortable gear changes for transport work. The fully integrated electronic engine control unit ensures fine adjustments and individual precision configurations as well as improved functionality.

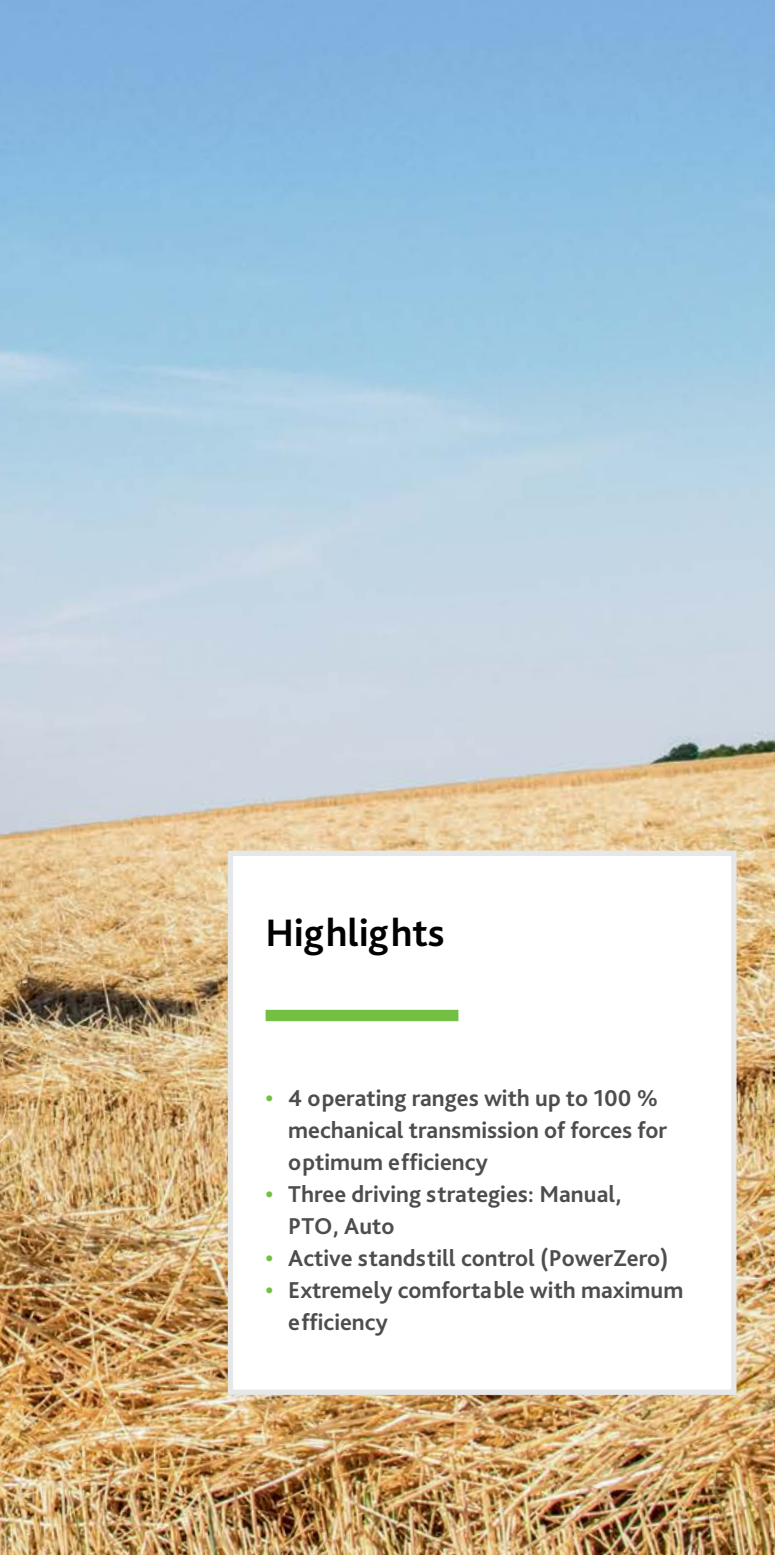


↑ 50 km/h SuperECO: maximum speed at minimum engine speed saves fuel.



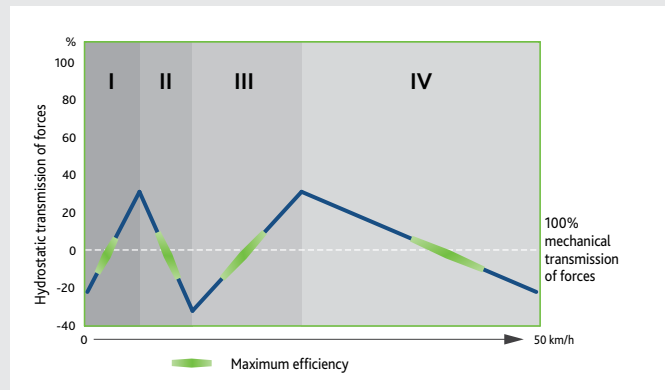
CONTINUOUS DRIVING PLEASURE.

Quick reactions, soft acceleration
and high dynamics.



Highlights

- 4 operating ranges with up to 100 % mechanical transmission of forces for optimum efficiency
- Three driving strategies: Manual, PTO, Auto
- Active standstill control (PowerZero)
- Extremely comfortable with maximum efficiency



↑ Optimum efficiency with four operating ranges with 100 % mechanical transmission of forces.



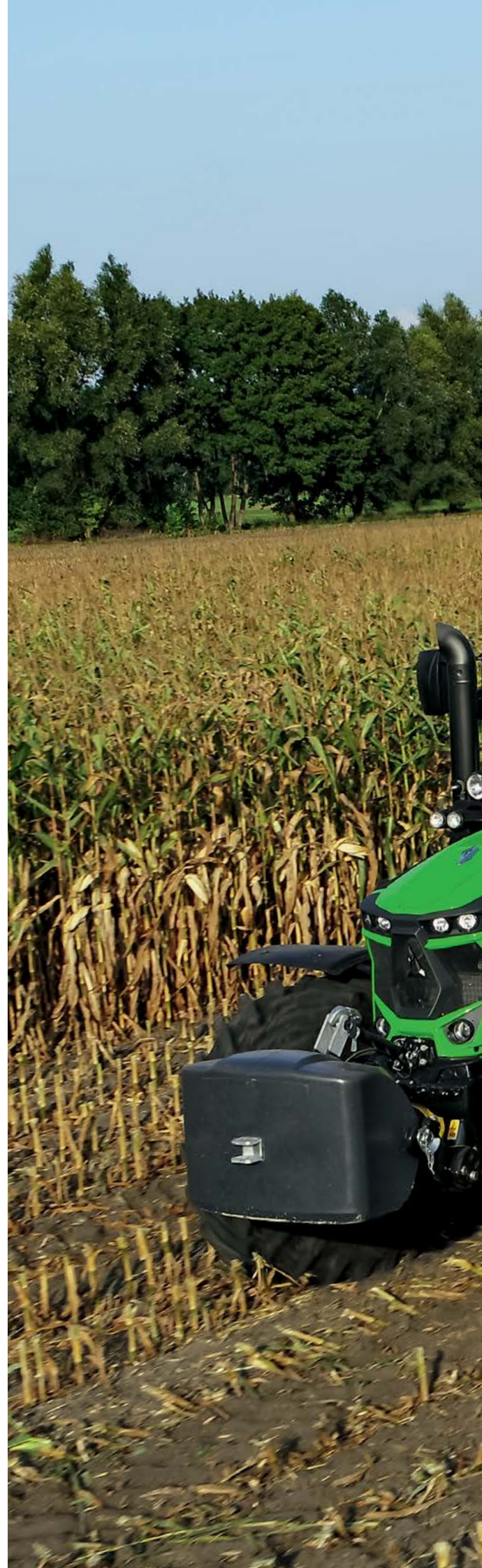
↑ With two buttons on the MaxCom multi-function joystick, the driver can use four different speed settings for field work or on the road and maintain a constant speed for optimum results.

Maximum productivity is the result of a precise transmission of forces and exact working speeds. The Series 6 features the state of the art continuously variable TTV transmission. This fully developed, proven concept is now even more efficient thanks to further software development. Three driving modes are available to ensure a perfect solution for any working situation: manual, automatic and PTO. Overall, the speed range extends from 0 to 50 km/h. Thanks to its four mechanical transmission ranges, the highly comfortable TTV transmission is designed to be extremely efficient at all speeds and

in all ranges. The engine and transmission control units are perfectly coordinated and enable user-defined settings. In addition, trailer stretch mode increases safety during trailer transport work thanks to continually stretched traction unit.

Every single detail of the TTV transmission concept was designed especially to maximise productivity of the Series 6 tractors.

In the grassland with a powerful tool combination in the morning, then on to front loader work. Transport work in the afternoon, followed by heavy towing in the field the next day. That is another strength of the Series 6.

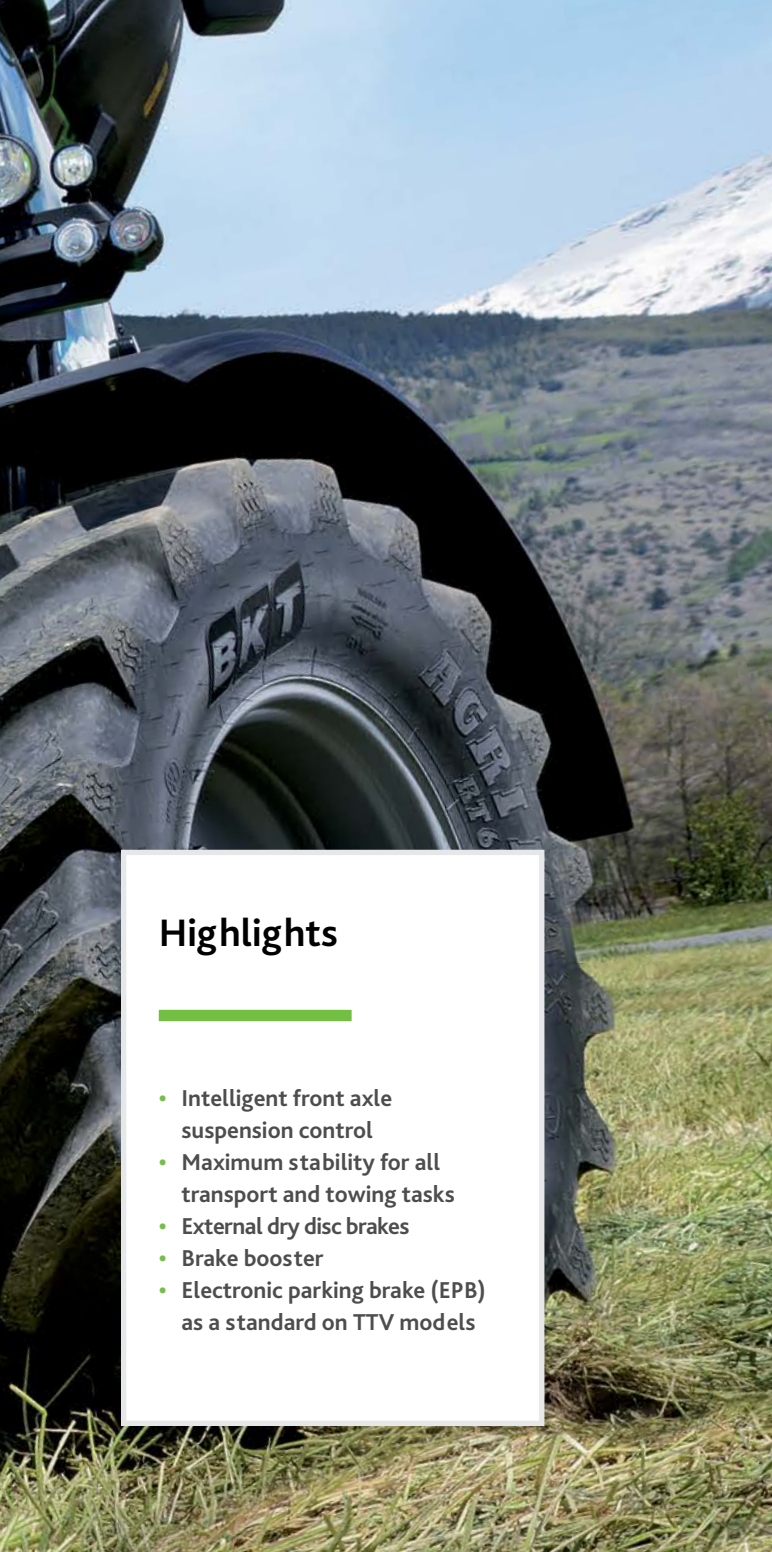






UNRIVALLED IN SAFETY AND DRIVING COMFORT.

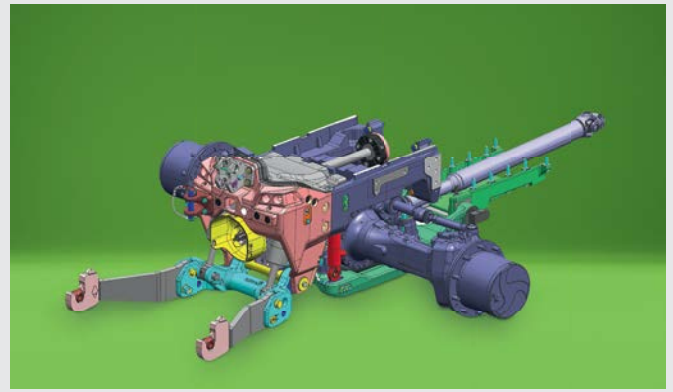
The unique front axle and brake system.



Highlights

- Intelligent front axle suspension control
- Maximum stability for all transport and towing tasks
- External dry disc brakes
- Brake booster
- Electronic parking brake (EPB) as a standard on TTV models

The new front axle concept and the brake system of the Series 6 are unique in this performance range. The front axle is equipped with an adaptive system with three automatic suspension stages and a rocker arm with extended lever range. This substantially increases the damping effect. The suspension system is electronically controlled. Depending on brake action, driving speed and terrain, three suspension levels are activated – the anti-dive and anti-rise control, full damping action for field and road, and no suspension. The suspension strength can also be adjusted manually.



↑ Electronically controlled suspension with anti-dive and anti-rise control. The suspension can be used in the field and on the road. It can be fully locked when required.



↑ On TTV models, the EPB replaces the mechanical handbrake lever and is operated via an electric push-button control on the armrest console.

The 6215TTV is the only tractor that can optionally be equipped with dry high performance disc brakes on the front axle. The brake booster ensures maximum braking performance at the lightest press of the pedal. The TTV models are equipped with an EPB as a standard: an automatic parking brake which acts on the rear brakes to relieve any pressure from the main pinion shaft. The EPB automatically disengages when the transmission is activated in one direction and automatically engages when the driver leaves the seat.

For any agricultural task,
for any requirement, for any
economic situation – the
Series 6 not only offers the
right technology mix, but
also the best perspectives
for your business.





HIGH-TECH WITH A BETTER VIEW.

Varied options for attachment points:
more options, more flexibility.

A wide range of options is available for the attachment points of the Series 6: mechanically or electro-hydraulically actuated hydraulic valves, up to five hydraulic valves in the rear and two in the front, a hydraulic pump output up to 170 l/min and up to 10,000 kg lifting capacity for the rear linkage. The models with the MaxiVision 2 cab offer proportionally controlled hydraulic valves, for the finely tuned control of attachments. A separate oil balance on the TTV models ensures that oil stays clean for longer. This increases the maintenance intervals. Depending on customer requirements, a load sensing pump or constant pump is available. The hydraulic system of the Series 6 TTV allows for a position-controlled front linkage to be attached. The front axle support with the integrated front linkage is designed to match the front axle suspension. The compact design of this solution allows a maximum steering angle and provides a lifting power of up to 5,480 kg and to two possible control valves at the front. In addition, the front section can be equipped with an ISOBUS interface. The PTO

with proportional control prevents sudden activation and protects the transmission and all tractor components. With four rear PTO speeds (540/540ECO/1000/1000ECO) and 1000 or 1000ECO at the front, all tasks can be completed efficiently. Optionally, the front PTO can be switched over manually or electronically. The ECO mode of the PTO allows the engine speed to be reduced substantially, which in turn results in significant fuel savings. Information and the functions of the hydraulic system and the PTO are displayed on the InfoCentre^{pro} in a clear and easy to understand format. All hydraulic and PTO function can be conveniently set and controlled on the right console or the multi-function armrest in the cab. The Series 6 models can be equipped with a Light Kit or Ready Kit for the front loader at the factory. This means that the front loader interfaces are already integrated, which substantially reduces installation costs for the front loader.



↑ Position controlled front linkage with up to 5,480 kg lifting power (TTV models).



↑ Easy operation of the hydraulic system, rear linkage and PTO externally from either side.

Highlights

- Comprehensive configuration options
- Mechanical or electro-hydraulic actuation of the hydraulic valves
- All electro-hydraulic hydraulic valves are proportional valves (cab model MaxiVision 2)
- Position controlled front linkage (TTV models)
- Front linkage solution, integrated into the tractor front
- LS hydraulic pump with 170 l/min: improved efficiency thanks to 30 % less power consumption (TTV models 6165 - 6185)



EUTZ-FAHR

ISO BUS





Each crop is different, each soil has special characteristics, but all place high demands on precision farming.



Highlights

- Higher productivity
- Easy to use
- Secure data
- Added convenience
- Unprecedented precision
- Optimum connectivity
- Highest level of compatibility
- Maximum return
- Better planning of your tasks

CONNECTED FARMING SYSTEMS.

Precision is the basic prerequisite for productivity.

Connected Farming Systems combines a large number of digital solutions for efficient and comfortable operation of tractors and combine harvesters. This includes reliable, automatic high precision track guidance systems, ISOBUS applications, data management and fleet management. The iMonitor3 is at the core of the operation of most applications – it is the central, user friendly control element.

SDF Guidance

Modern steering systems save resources, increase convenience and productivity and ensure reliable precision. You can rely on high reliability even in difficult working conditions such as fog or night time. Satellite navigation provides the basis for this. You can choose the system that best suits your operation.



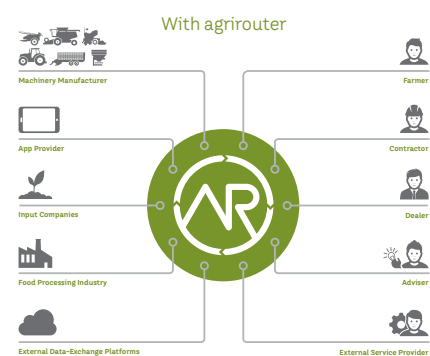
SDF Fleet Management

Optimise operations. Increase efficiency. The connectivity solutions from SDF keep you connected at all times. It allows convenient managing of relevant data. The BTM (Basic Telematic Module) is the entry level for transmission of tractor data. Telemetry data are sent to e.g. a smartphone via a Bluetooth connection. All relevant data can be called up with an app. In the Pro version, the CTM (Communication Telematic Module) transfers the data directly to the office over the Internet using an integrated e-SIM card.



SDF Data Management

Efficient data management is becoming increasingly important for optimising work processes. SDF uses standard file formats for reliable data exchange so customers can keep an overview at all times and data are transferred in a coordinated manner. With the agrirouter, we offer a universal data exchange platform that allows farmers and contractors to exchange data between machinery and agricultural software applications from a wide range of manufacturers. The agrirouter simplifies data exchange and therefore work processes, reduces office work and improves economic efficiency.



ISOBUS

Electronics make agricultural machinery safer, more powerful, more precise and more efficient. The driver can use ISOBUS applications to individually control all implements with one single monitor – the iMonitor3 is also the central control element for all ISOBUS applications. The iMonitor3 easily manages tasks such as assigning AUX-N functions, processing application maps or automatic switching of up to 200 sections. A great number of functions are even available without activation.



READY FOR ANYTHING.

The individual special options from DEUTZ-FAHR provide even more comfort and higher productivity.

To optimise your tractor for special tasks or to maximise comfort, you can choose from a wide range of additional factory fitted DEUTZ-FAHR options: From front mounted plates, LED work lights, air conditioning, iMonitor and camera via ISOBUS and PowerBeyond air brake system. Our original equipment ensures that everything is a perfect fit and the quality

and performance are right. For the Series 6, we also offer an engine block and fuel preheating option. Cold winters, night work: start your engine even at low temperatures, easily and – above all – gently. Please ask your DEUTZ-FAHR sales partner. They will be happy to advise you.





↑ The DEUTZ-FAHR ISOBUS interfaces at front and rear make the tractor compatible with attachments from all renowned manufacturers.



↑ Front end loader can be seamlessly integrated into pre-existing controls.



↑ The compressed air brake system decelerates trailers in all weight categories reliable and safely.



↑ LED package with up to 2,500 lm per work light (depending on the model).



↑ Lockable tank covers for fuel and AdBlue tanks.



↑ Integrated camera with automatic full screen mode (e.g. reversing) for overview and safety.



↑ Rim ballast with up to 1,340 kg ballast weight.



↑ Front ballast with 1,000 kg cast iron for front three-point attachment.





New Zealand has diverse conditions that Deutz-Fahr tractors are specifically developed for in Germany.

Technical data	SERIES 6 AGROTRON RCSHIFT			
		6165	6185	6215
ENGINE				
Manufacturer		Deutz		
Model		TCD 6.1 L06		
Emissions stage		3A		
Cylinders/capacity	Qty./cm ³	6/6,057		
Turbocharger with charge air cooling		●		
Waste gate turbocharger		●		
Viscous fan		●		
Deutz Common Rail (DCR) injection pressure	bar	1,600		
Max. power (ECE R120)	kW/HP	120,8/164	138,5/188	156,2/212
Max. power with boost function (ECE R120)	kW/HP	125,8/171	–	166/226
Power at rated speed (ECE R120)	kW/HP	115,1/157	133/181	147,6/201
Power at rated speed with boost function (ECE R120)	kW/HP	119,9/163	–	157/214
Homologated power (EU) 2015/96	kW/HP	120/163	133/181	157/214
Engine speed at max. power	rpm	1,900		
Max. rated engine speed	rpm	2,100		
Max. torque	Nm	699	818	889
Speed at maximum torque	rpm	1,400	1,500	
Torque increase	%	28	35	24
Electronic engine control		●		
Engine brake		○		
Air filter with dust ejector (PowerCore)		●		
Exhaust gas treatment (EGR+DPF+SCR)		–		
Fuel tank capacity	Litres	280		
AdBlue capacity	Litres	–		
TRANSMISSION				
Manufacturer		ZF		
Model		TPT16 RCshift	TPT18 RCshift	TPT20 RCshift
Number of gears	Qty.	30+15		
Number of gears with creeper gear	Qty.	54+27		
Powershift stages (forward/reverse)	Qty.	6/3		
Min. speed with supercreeper gear	km/h	0,37	0,39	
Maximum speed 50 km/h (Powershift/RCshift)	km/h@rpm	50@1,969/50@1,530	50@1,863/50@1,447	
Maximum speed 40 km/h (Powershift/RCshift)	km/h@rpm	40@1,575/40@1,224	40@1,490/40@1,158	
Driving strategies RCshift (Manual/Semi-Auto/Full Auto)		●		
Automatic powershift stages (RCshift only)		●		
SpeedMatching		●		
SenseShift (proportionally controlled powershift stages)		●		
Electro-hydraulic powershuttle		●		
ComfortClutch		●		
SenseClutch with 5 control stages		●		
Electro-hydraulically controlled multi-plate wet clutch		●		
PTO				
Rear PTO 540/540ECO/1000/1000ECO		●		
Automatic PTO		●		
Electr. switchable front PTO 1000 or 1000ECO		○		
AXLES AND BRAKES				
Front axle manufacturer		Carraro		Dana
Front axle model		20.29	M50	M60L
Front axle with suspension		○		
Front axle with brakes		○		–
Front axle with external dry disc brakes		–		○
Prepared for Agrosky		○		
Electro-hydraulic all-wheel activation		●		
Electro-hydraulic differential lock activation front and rear		●		
ASM system		●		
PowerBrake servo brake		●		
Mechanical parking brake		●		
Trailer compressed air braking system		○		
Hydraulic steering with independent pump		●		
Steering pump capacity	l/min	42		
Steering angle	Degrees	52		

TECHNICAL DATA		SERIES 6 AGROTRON RCSHIFT		
		6165	6185	6215
ENGINE				
Manufacturer		Bosh/Danfoss		
Fixed displacement pump	l/min	84		-
Variable pump (standard)	l/min		120	
Variable pump (option)	l/min		160	
Electro-hydraulic auxiliary control valves, rear	Qty.		4/5	
Electro-hydraulic auxiliary control valves, front, Comfort-Pack (option)	Qty.		1/2	
Power Beyond			●	
Maximum removable oil quantity	Litres		45	
Electronically controlled rear linkage (EHR)			●	
Radar sensor with slip control			●	
Rear linkage lifting capacity (option)	kg		9,700	
Tie rod, mechanical			●	
Tie rod, hydraulic			○	
External operation on wing (both sides)			●	
Front linkage			○	
Front linkage lifting capacity	kg	4,110		5,480
ELECTRICAL SYSTEM				
VOLTAGE	V		12	
BATTERY (standard)	V/Ah		12/143	
Battery (option)	V/Ah		12/180	
Alternator	V/A		12/200	
External socket (3 pole)			●	
External socket (3 pole, 30 A)			●	
Interface ISO 11786 (7-Pole)			●	
Interface ISO 11783 (ISOBUS)			○	
CAB				
MaxiVison2			●	
MaxCom joystick (RCshift only)			●	
iMonitor3 (8" or 12")			○	
InfoCentrepro (dashboard with high resolution 5" colour display)			●	
Agrosky system			○	
Comfortip system (headland management)			●	
Comfortip professional (with iMonitor3 only)			○	
Max-Comfort Dynamic XL Seat			●	
Max-Comfort Dynamic XXL Seat			○	
Padded passenger seat			●	
Cab suspension, mechanical			●	
Cab suspension, pneumatic			○	
Air conditioning			●	
Automatic climate control			○	
Panorama roof with UV protection			○	
Prepared for radio with speaker			●	
Telescopic external mirrors			●	
Telescopic external mirrors, electrical adjustment and heating			○	
Light panel			○	
Halogen work lights			●	
LED work lights, 4th generation			○	
Integrated LED driving lights			○	
Coming home function			●	
Swivel seat			○	
Code lock (enabled by sales partner)			●	

● = standard ○ = option – = not available

* Standard or option, depending on variant.

Technical data	SERIES 6 AGROTRON TTV			
	6165 TTV		6185 TTV	
ENGINE				
Manufacturer		Deutz		
Model		TCD 6.1 L06		
Emissions stage		3A		
Cylinders/capacity	Qty./cm ³	6/6,057		
Turbocharger with charge air cooling		●		
Waste gate turbocharger		●		
Electronic viscous fan		●		
Deutz Common Rail (DCR) injection pressure	bar	1,600		
Max. power (ECE R120)	kW/HP	120,8/164	134,3/183	156,2/212
Max. power with boost function (ECE R120)	kW/HP	125,8/171	138,5/188	166/226
Power at rated speed (ECE R120)	kW/HP	115,1/157	129/176	147,6/201
Power at rated speed with boost function (ECE R120)	kW/HP	119,9/163	133/181	157/214
Homologated power (EU) 2015/96	kW/HP	120/163	133/181	157/214
Speed at maximum power	rpm	1,900		
Max. rated engine speed	rpm	2,100		
Max. torque	Nm	699	818	889
Speed at maximum torque	rpm	1,400	1,500	
Torque increase	%	28	35	24
Electronic engine control		●		
Engine brake		○		-
Air filter with dust ejector (PowerCore)		●		
Exhaust gas treatment (DPF+SCR)		-		
Fuel tank capacity	Litres	280		400
AdBlue capacity	Litres	-		
TTV TRANSMISSION				
Manufacturer		ZF		
Model		Eccom 1.5	Eccom 1.5/1.5 HD	S-Matic 180+
Speed ranges	Qty.	4		
Maximum speed 50 km/h	km/h@rpm	50@1,831	50@1,773 / 50@2,051	50@1,902
Maximum speed 40 km/h	km/h@rpm	40@1,464	40@1,418 / 40@1,641	40@1,521
Active standstill control (PowerZero)		●		
Cruise control	Qty.	2+2		
Driving strategies (Manual / Auto / PTO)		●		
ECO/power management		●		
Electro-hydraulic powershuttle		●		
SenseClutch with 5 control stages		●		
PTO				
Rear PTO 540 / 540ECO / 1000 / 1000ECO		●		
Automatic PTO		●		
Electr. switchable front hydraulic front PTO 1000 or 1000ECO		○		
AXLES AND BRAKES				
Front axle manufacturer		Carraro		Dana
Front axle model		20.29	M50	M60L
Adjustable bar axle		○		
Front axle with suspension		●		
Front axle with brakes		○		-
Front axle with external dry disc brakes		-		○
Prepared for Agrosky		●		
Electro-hydraulic all-wheel activation		●		
Electro-hydraulic differential lock activation front and rear		●		
ASM system		●		
PowerBrake servo brake		●		
Electronic parking brake (EPB)		●		
Hydraulic trailer brake valve		●		
Trailer stretch function		●		
Trailer compressed air braking system		○		
Hydraulic steering with independent pump		●		
Steering pump capacity	l/min	52		
Steering angle	Degrees	52		

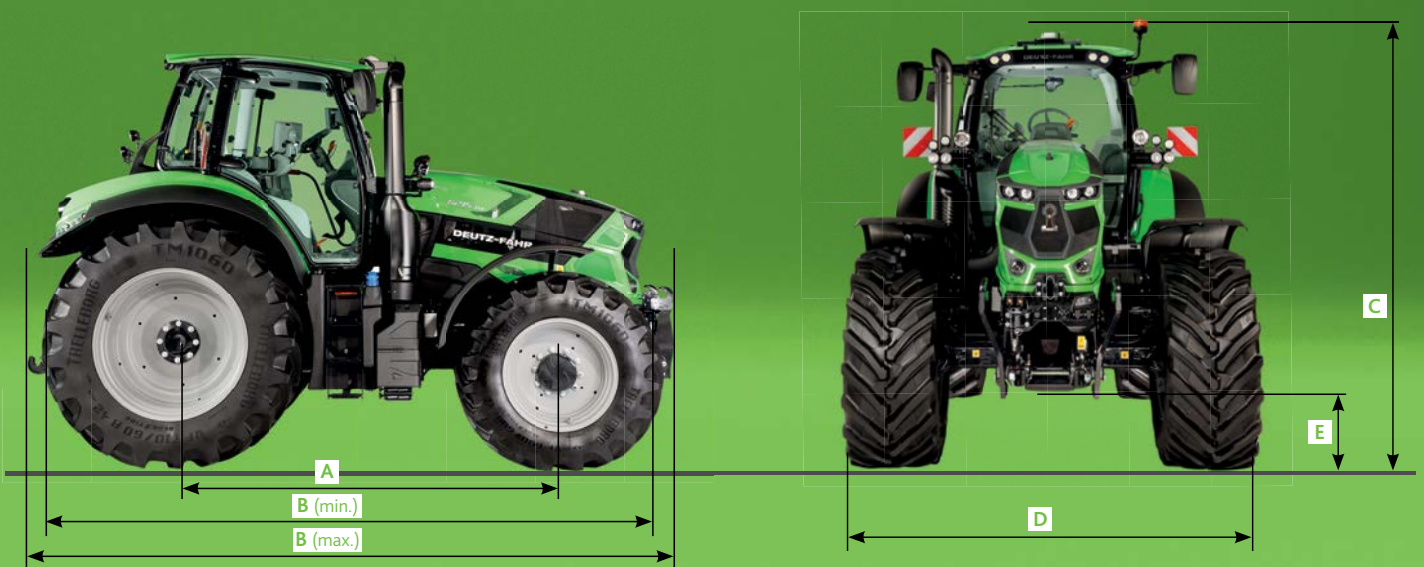
Technical data		SERIES 6 AGROTRON TTV		
		6165 TTV	6185 TTV	6215 TTV
HYDRAULICS AND LINKAGE				
Manufacturer		Bosch / Danfoss		
Variable pump (standard)	l/min	120		
Variable pump (option)	l/min	170		160
Load sensing hydraulic system			●	
Electro-hydraulic auxiliary control valves, rear (standard)	Qty.	4		
Electro-hydraulic auxiliary control valves, rear (option)	Qty.	5/6/7		
Electro-hydraulic auxiliary control valves, front, Comfort-Pack (option)	Qty.	1/2		
Proportional control based on flow rate and time			●	
Power Beyond		1/2		
Maximum removable oil quantity	Litres	40		
Separate oil tank	Litres	50		
Electronically controlled rear linkage (EHR)			●	
Radar sensor with slip control			○	
Rear linkage lifting capacity	kg	9,200		10,000
Tie rod, mechanical			●	
Tie rod, hydraulic			○	
External operation on wing (both sides)			●	
Front linkage with position control			○	●
Front linkage lifting capacity	kg	4,110		5,480
ELECTRICAL SYSTEM				
Voltage	V	12		
Battery (standard)	V / Ah	12/143		
Battery (option)	V / Ah	12/180		
Alternator	V / A	14/200		
External socket (3-pole)			●	
External socket (3-pole, 30 A)			●	
Interface ISO 11786 (7-pole)			●	
Interface ISO 11783 (ISOBUS)			○	
CAB				
MaxiVision2			●	
Multi-function armrest			●	
iMonitor3 (8" or 12")		○		●
WorkMonitor			●	
InfoCentrePro (dashboard with high resolution 5" colour display)			●	
Agrosky system			○	
Comfortip system (headland management)			●	
Comfortip professional (with iMonitor3 only)		○		●
Max-Comfort Dynamic XL seat			●	
Max-Comfort Dynamic XXL seat			○	
Max-Comfort Evolution Active DDS seat			○	
Padded passenger seat			●	
Cab suspension, mechanical			●	
Cab suspension, pneumatic		○		●
Air conditioning			●	
Automatic climate control			●	
Panorama roof with UV protection			○	
Prepared for radio with speaker			●	
Telescopic external mirrors		●		
Telescopic external mirrors, electrical adjustment and heating		○		●
Light panel			●	
Halogen work lights			●	
LED work lights, 4th generation			○	
Integrated LED driving lights			○	
Interior lights			●	
Coming home function			●	
Swivel seat			○	
Code lock (enabled by sales partner)			●	

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* Standard or option, depending on variant.

Technical data		SERIES 6 AGROTRON RSHIFT		
		6165	6185	6215
DIMENSIONS AND WEIGHTS				
Front axle model		CA 20.29	Dana M50	Dana M60L
Flange size, front axle	mm	1,840	1,780	1,940
Flange size, front axle with brakes	mm	1,890	1,780	-
Flange size, front axle with external dry disc brakes	mm	-	-	2,046
Flange size, rear axle	mm	1,720	-	1,890
Flange size, adjustable bar axle (min. - max.)	mm	-	-	-
Tyres, front (min.)		230 / 95 R32	-	270 / 95 R36
Tyres, rear (min.)		270 / 95 R44	-	380 / 90 R46
Tyres, front (max.)		600 / 60 R28	-	600 / 60 R30
Tyres, rear (max.)		710 / 60 R38	-	710 / 60 R42
Wheelbase (A)	mm	-	2,767	2,848
Length (min. / max.) (B)	mm	4,347 / 5,712	4,397 / 5,712	4,478 / 5,793
Height (min. / max.) (C)	mm	-	-	3,032 / 3,082
Width (min. / max.) (D)	mm	2,456 / 2,720	2,486 / 2,720	2,486 / 2,541
Ground clearance (min. / max.) (E)	mm	365 / 465	-	465 / 515
Unladen weight (min. / max.)	kg	-	7,200 / 7,600	7,930 / 8,330

Technical data		SERIES 6 AGROTRON TTV		
		6165 TTV	6185 TTV	6215 TTV
DIMENSIONS AND WEIGHTS				
Front axle model		CA 20.29	Dana M50	Dana M60L
Flange size, front axle	mm	1,840	1,780	1,940
Flange size, front axle with brakes	mm	1,890	1,780	-
Flange size, front axle with external dry disc brakes	mm	-	-	2,046
Flange size, rear axle	mm	-	1,876	1,890
Flange size, adjustable bar axle (min. / max.)	mm	-	1,944 / 2,312	-
Tyres, front (min.)		420 / 85 R28	540 / 65 R28	270 / 95 R36
Tyres, rear (min.)		520 / 85 R38	650 / 65 R38	380 / 90 R46
Tyres, front (max.)		600 / 60 R28	-	600 / 60 R30
Tyres, rear (max.)		710 / 60 R38	-	710 / 60 R42
Wheelbase (A)	mm	-	2,767	2,848
Length (min. / max.) (B)	mm	4,142 / 5,712	4,317 / 5,712	4,508 / 5,912
Height (min. / max.) (C)	mm	2,932 / 3,032	3,032 / 3,082	3,110 / 3,160
Width (min. / max.) (D)	mm	2,416 / 2,720	2,472 / 2,720	2,486 / 2,720
Ground clearance (min. / max.) (E)	mm	365 / 465	465 / 515	520 / 570
Unladen weight (min. / max.)	kg	7,830 / 8,230	8,200 / 8,600	8,400 / 8,800





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