

# SERIES 6.



4-cylinder and 6-cylinder tractors  
POWERSHIFT · RCSHIFT from 144 to 226 HP  
TTV from 156 to 188 HP



# THE SERIES 6.

## Clever design.

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

## STAGE V engine.

The water cooled 4-cylinder or 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.

## Compact cooling system.

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

## 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.



# BEST TECHNOLOGY MIX IN ITS CLASS.

Built with respect for individual requirements.





## 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.

## MaxCom control armrest.

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

## SDF Smart Farming Solutions.

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

## Powerful hydraulics.

Mechanically or 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 9,700 kg lifting capacity of the rear linkage.

## Wide transmission choice.

Excellent technology and high efficiency. All transmissions (Powershift, RCshift or TTV) are easy to operate, easy to program and easy to monitor.

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 is, 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 Series 6 for all these requirements. With models ranging from 144 to 226 HP, different wheelbases, 4-cylinder and 6-cylinder engines, three transmission options, two cabin types with different comfort levels and countless additional configuration options, you can customise the best technology mix in this tractor class.



# MADE IN GERM

## A PRODUCTION PLANT FOR THE TRACTORS OF THE FUTURE.

DEUTZ-FAHR LAND (Lauingen), the most modern tractor plant in Europe.

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DEUTZ-FAHR LAND. This is the name of Europe's most modern tractor factory, inaugurated in Lauingen in 2017. Alongside the brand's other tractors, with outputs from 120 to 340 hp and destined for markets all over the world, this is also where the family members of Series 6 are built. A tractor conceived to offer the best possible answer for the challenges of modern agriculture and to take even the most difficult and diverse working conditions in its stride without compromise.

The models of Series 6 set out with the clear intent to be the undisputed leaders in their class, offering unprecedented levels of productivity and reliability. Equipped with high-quality components, innovative mechatronics and three different transmission types, the new Series 6 tractors are exceptionally efficient both in the field and on the road.





📍 The DEUTZ-FAHR LAND and DEUTZ-FAHR ARENA in Lauingen, Germany.

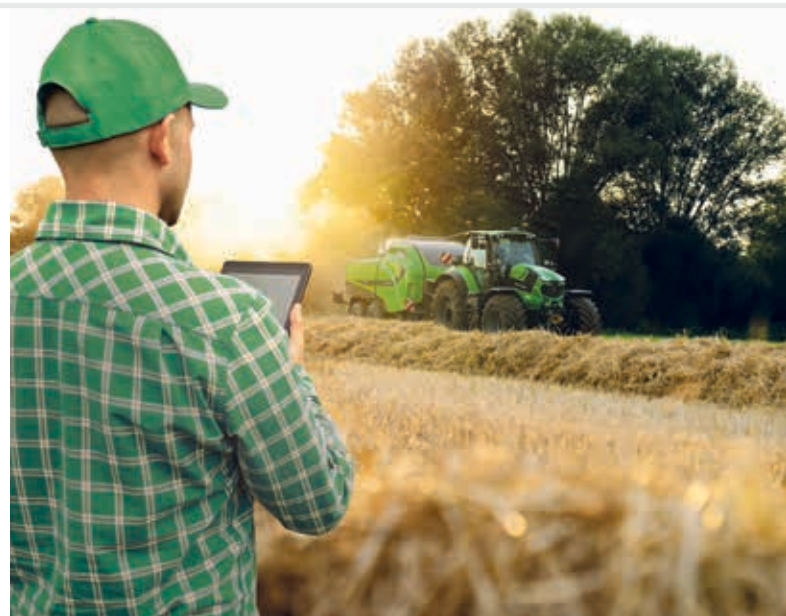


📈 We set new standards in production quality.

## 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
- Remote support for fastest service





# FEEL GOOD.







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.”

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# RELAXED WORKING.

Made possible by the comfort cab.

The unique features of the MaxiVision and MaxiVision 2 cabs 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 operator. The new InfoCentre<sup>PRO</sup> 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. 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 full LED packages.

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 control of the temperature in the cab, while new air outlets guarantee uniform air distribution. With the MaxiVision and MaxiVision 2 cabs, you can look forward to extremely comfortable and efficient working.

## 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, optimised bonnet dimensions and compact exhaust gas treatment unit
- Strikingly bright LED packages available



↑ State-of-the-art dashboard with InfoCentre<sup>PRO</sup>; 5" high-resolution display. The available iLock system ensures security – lock and unlock the tractor with a PIN.



↑ LED work lights



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



↑ Available for all TTV models: Seat with up to 23° swivel for added comfort and ease of operation.



## MAXIVISION 2.

Intuitive control from manual  
to fully automatic.

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↑ 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 and rear linkage control can be fine adjusted with the potentiometers in the armrest.

The MaxiVision 2 cab is available for TTV and RCshift models with electro-hydraulic control valves. The comfortable armrest allows highly intuitive operation of the Series 6. All routine functions can be automated. The 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. While the MaxiVision cab is suitable for RCshift or Powershift models with mechanical control valves. On all models, the front and rear

linkages can be mechanically (not on MaxiVision 2) or electro-hydraulically actuated depending on the configuration. Each model is equipped with InfoCentre<sup>PRO</sup>: 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.

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# PRODUCTIVITY.



# HOW TO GENERATE PRODUCTIVITY.

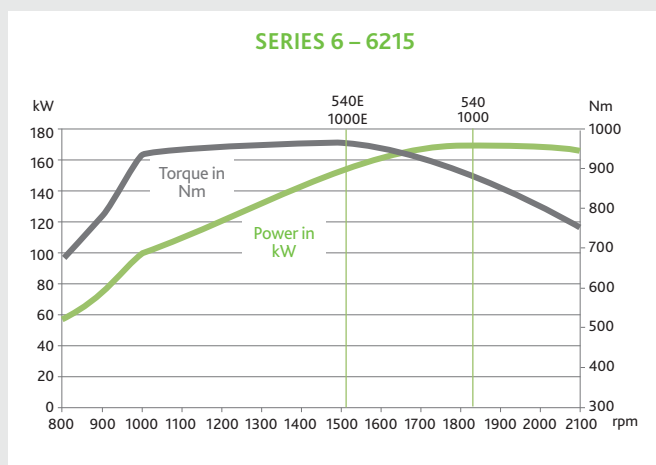
More output thanks to the powerful 4-cylinder and 6-cylinder engines.

The compact, 4-cylinder and 6-cylinder Series 6 engines have 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 and AdBlue consumption were reduced.

The exhaust systems include EGR and SCR exhaust treatment and an additional, passive diesel particle filter (DPF). Compared to conventional active filters, the passive DPF offers three advantages: no fuel injection into the filter, lower heat generation and significantly faster regeneration of the filter. This allows you to save fuel and money while complying with all international emission standards – including future ones. On the TTV models, engine efficiency is also increased by the electronic viscous fan.

The models 6155 to 6185 can be equipped with the new engine brake, for up to 40 % greater braking power. This system ensures longer lifetime of the service brakes, especially in hilly conditions with heavy loads. This increases safety and reduces maintenance costs. Operation is convenient, easy and reliable using an additional pedal between brake and clutch. The braking power is automatically calibrated and optimised for the selected driving mode.

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



↑ Constant performance in an engine speed range of 500 rpm with a peak of 226 HP in boost mode: over 200 HP are available from as low as 1,600 rpm. Constant torque in a speed range of 1,100 to 1,900 rpm, with 94 % available torque. Simple said, this is almost the maximum torque in all engine speed ranges.



↑ Comfortable entrance stairs integrated in the fuel tank.



↑ The 6 cylinder models offer tank filler necks on both sides for improved practicality.





## Highlights

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- Deutz TCD 4.1 and 6.1 engines
- Stage V with passive DPF, SCR and EGR
- Optimised engine mapping for better engine response and constant torque
- Up to 5 % less fuel and AdBlue consumption
- Electronic viscous fan for more efficiency (TTV models)
- Engine brake for 40 % more braking power (available for 6155 to 6185 models)





## Highlights

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- 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.

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↑ Pre-cleaning system in the engine air filter: Spiral cyclone tubes and an aspirator hose remove 95 % of the dust before it 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 faster and easier maintenance.

When closed, the radiator assembly is very compact with a low, sloping bonnet end that allows a clear view on 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 downwards and out through a tube, using pressure generated by the cooling fan.

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



# EXCELLENT EFFICI





# ENCY.



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.

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# SHIFT AND CHANGE WHEN AND HOW YOU WANT!

Powershift, RCshift or TTV.

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↑ Powershift transmission: efficient all-round transmission with manual gear changes.



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



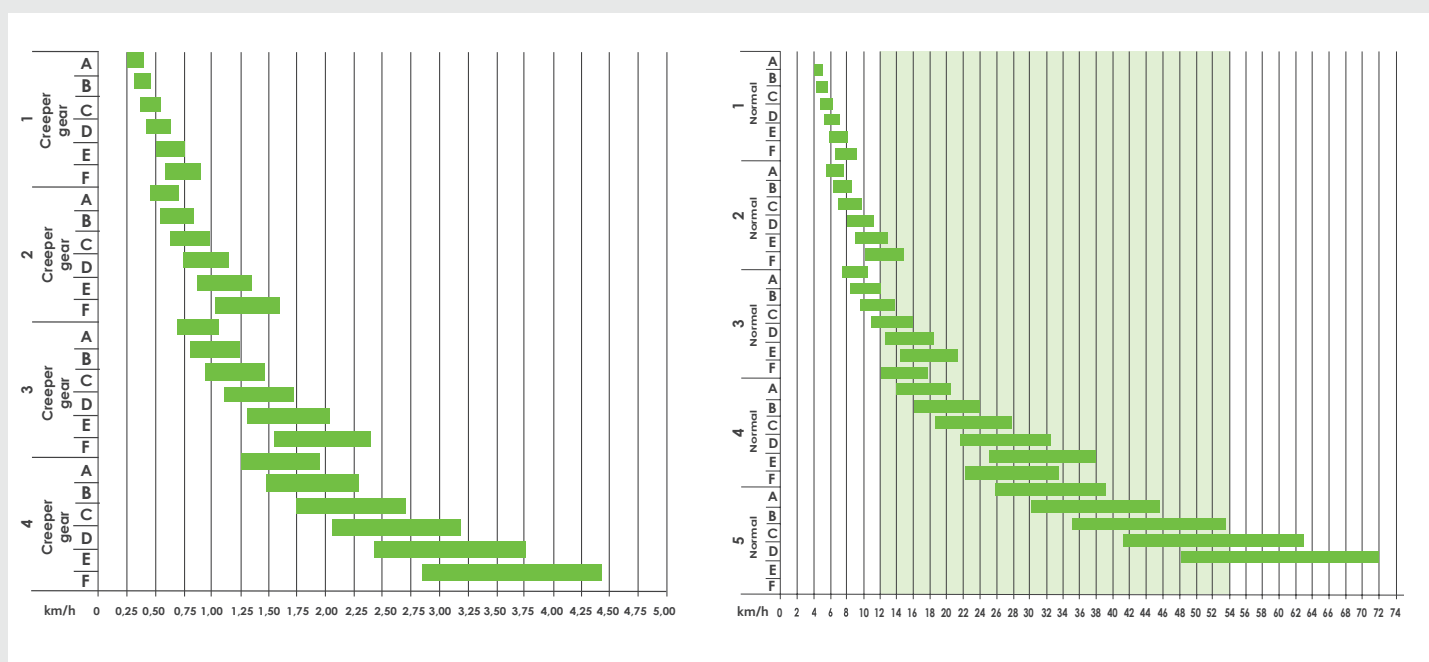
↑ TTV transmission: welcome to the premier league with optimum driving and operating comfort. Exclusively on TTV: position controlled front lift and electronic park brake integrated in the armrest.

What is the main task of your 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's 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 and a high level of economy. Whether manual, fully automatic or continuous – select your level of driving comfort.

**Simple manual powershift transmission:** with five mechanical gears plus six forward and three reverse powershift gears, for a total of 30 + 15 gears (with creeper gear: 54 + 27). 40 or 50 kph maximum speed at reduced engine speed.

**Fully automatic RCshift transmission:** with five robotised gears plus six forward and three reverse Powershift gears, for a total number of 54 + 27 speeds (with creeper gear). 40 or 50 kph 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 optimizes 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 kph, allows a reduction of the engine speed to 1,447 rpm at 50 kph (depending on the tyres).



# 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. Three 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.
- **Auto:** The system automatically selects the gear range and powershift gear ratios for towing work in the field and for transport work on the road.

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



↑ 50 kph SuperECO: maximum speed at minimum engine speed saves fuel.

## Highlights

- Three driving modes
- Fully automatic, comfortable gearshifting
- 50 kph ECO and 50 kph 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 6175)





# CONTINUOUS DRIVING PLEASURE.

The TTV transmission for quick reactions, soft acceleration and high dynamics.

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## Highlights

- Three driving strategies: Manual, PTO, Auto
- Active standstill control (PowerZero)
- Extremely comfortable with maximum efficiency



↑ PowerShuttle with Sense Clutch and five adjustment levels.



↑ With two buttons on the MaxCom multi-function joystick, the driver can use four different speed settings for field work or road application to 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 kph. Thanks to its concept, 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 work with trailed equipment.

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





# UNRIVALLED IN SAFETY AND DRIVING COMFORT.

The unique front axle and brake system.

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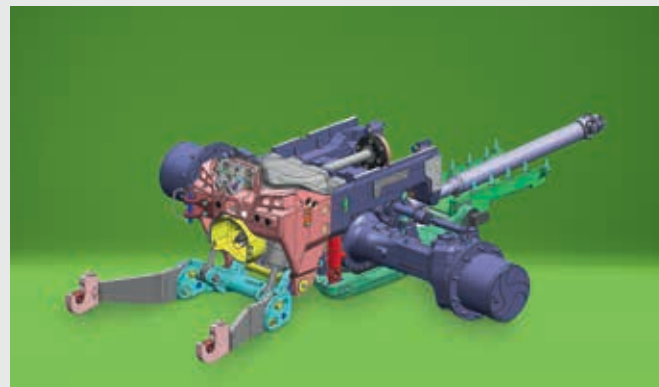




## Highlights

- Intelligent front axle suspension control
- Maximum stability for all transport and towing tasks
- 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 including 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 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.

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**WELL-EQUIPPED  
FOR ANY CHALLENGE.**





# HIGH-TECH WITH A BETTER VIEW.

Various 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 9,700 kg lifting capacity for the rear linkage. The models with the MaxiVision 2 cab offer proportionally controlled electronic hydraulic valves, for the finely tuned control of attachments. The CleanOil hydraulic system 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 the attachment of a position-controlled front linkage. 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 5,450 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 DualSpeed front PTO (with 1000 and 1000E speed) can be also ordered. 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<sup>Pro</sup> in a clear and easy understandable format. All hydraulic and PTO functions 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. This means that the front loader interfaces are already integrated, which ensures perfect fit and substantially reduces the installation costs.



↑ Position controlled front linkage with up to 5,450 kg lifting power (TTV models).



↑ Easy operation of the hydraulic system, rear linkage and PTO externally from both sides.

## 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 fully integrated into the tractor front
- LS hydraulic pump with 170 l/min: improved efficiency thanks to 30 % less power consumption (TTV models 6155 - 6185)







# SDF SMART FARMING SOLUTIONS.







The tractors of the Series 6 family can be equipped with various products and services to simplify work and increase productivity.

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# AGRICULTURE 4.0: FULLY CONNECTED.

The tractors of the series 6 family offer class-beating technology, enabling you to do your work with even more intelligent solutions.

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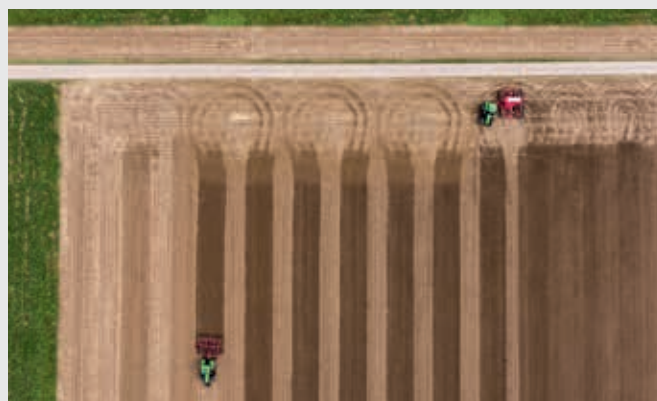
## Highlights

- iMonitor3 as centralised interface for managing a number of different applications for guidance, data management, ISOBUS and additional optional features like XTEND or Auto- Turn.
- SDF Guidance with plenty of comfortable features and the new SR20 GNSS receiver for superior precision.
- Wide number of ISOBUS functions like automatic Section Control with up to 200 sections or TIM.
- SDF Data Management for reliable data exchange e.g. with agrirouter.
- SDF Fleet Management for total remote control of machine data.

The tractors of the series 6 family offer class-beating technology, letting you get on with your work with even more intelligent solutions. Automated guidance systems maximize operator comfort. The tractors of the series 6 family can be equipped as an option with the most advanced and sophisticated auto-guidance and telemetry systems. Centimetre precision avoids wasteful overlapping, saving fuel, reducing component wear and minimizing usage of the tools necessary for production. The connectivity solutions offered by DEUTZ-FAHR, make interaction between office and machinery even simpler.



↑ XTEND function with tablet, control of implements via ISOBUS UT while being outside of the cabin.



↑ SDF Guidance: plenty of features (like Auto-Turn) for highest convenience.



↑ Headland management with Auto-Turn and ComfortTip<sup>pro</sup> relieves the operator in demanding situations.

The new SDF Fleet Management suite puts the user in total control of the 6 series models. The application lets the owner keep track of the position of the tractor in real time, wherever it is. SDF Fleet Management can also be used as an effective tool for planning maintenance, by making use of its notification functions, and for acquiring data relative to performance and fuel consumption. With the SDF Fleet Management application, dealers can always assist drivers in case of any upcoming issues that may occur. This reduces downtime and increases operation reliability of customer's machine.





# iMonitor3.

An innovative terminal putting the driver in total control of the machine.

The iMonitor3 is the central control element and comes along with updated graphics for a new user experience that is now even more simple and intuitive to use. A choice of 8" or 12" monitor sizes is available. It allows the driver to manage all the most important functions of the machine, such as tractor settings, guidance, ISOBUS implement control and data management.

You can split the screen into different fields to display dedicated functions, while an effective anti-glare coating ensures that all the information are clearly visible. State-of-the-art touch screen operation and the optional external MMI control makes it even more comfortable.

Intuitive and immediate usability are crucial giving the large number of functions controllable from the terminal: and everything is

accessible from a single controller interface, situated ergonomically on the armrest. Support functions such as quick guides and icon tooltips, combined with a clear menu structure, ensure simple, intuitive usage. And if the operator still has any doubts on the functions of the interface, these can be eliminated quickly by using the remote support function. iMonitor3 is a highly practical interface connecting the driver, tractor, implement and office. Besides a huge number of features available already as standard, it is even possible to unlock further functions and by this increase also level of usability – such as the XTEND function which allows screens to be extended onto external tablets.



Modern auto-guidance systems not only improve productivity by reducing driver's stress, they also offer significant time savings by ensuring greater precision during work in the field. The SDF Guidance application allows to work comfortable and always at highest precision.

### SR20

SR20 is a new GNSS auto-steering receiver designed for highest accuracy and performances in field. It is capable for the reception of all important satellite systems (GPS, GLONASS, GALILEO, QZSS and Beidou) to achieve reliable satellite tracking for consistent accuracy during all conditions. As the hardware contains as standard a 3-axis gyroscope for detecting smallest movements, its accuracy level can easily be upgraded e.g. by DGPS corrections like Egnos to RTK.

## ISOBUS.

Electronics increase the safety, precision and efficiency of agricultural machinery. With ISOBUS, the operator can now control all compatible implements from a single monitor (UT). The iMonitor3 can be used as a central controller for all ISOBUS applications and for managing a wide variety of operations. Many functions are available without activating a license: such as assigning AUX (AUX-N) functions, automatic switching of up to 200 sections (TC-SC) and processing application maps (TC-GEO).

## TIM (TRACTOR IMPLEMENT MANAGEMENT).

As first tractor producer on the market DEUTZ-FAHR has received the TIM certification. This allows a bi-directional communication between tractor and implement. As a result the implement itself can automatically control a number of tractor functions, allowing it to control ground speed and manage hydraulic distributors, the lift and the PTO. The TIM function is yet another key element for even greater efficiency, less fatigue and improved productivity.



↑ SDF Guidance assists drivers: All day long, in each condition, with reliable high accuracy.



↑ The XTEND function allows the display of SDF Guidance or let you control an ISOBUS implement on an external device, e.g. a tablet.

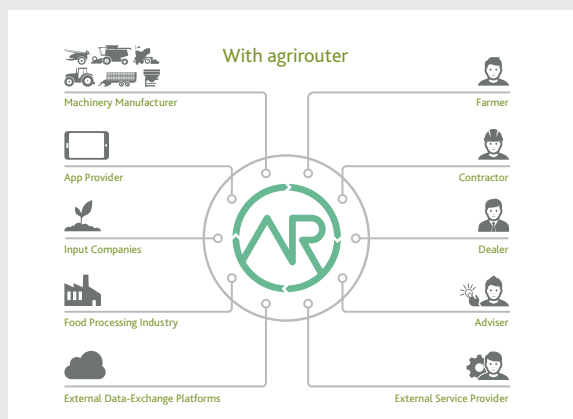


↑ ISOBUS: you can plug any type of implement and benefit from various ISOBUS features.



↑ The Series 6 is AEF certified for various features and even already TIM ready.

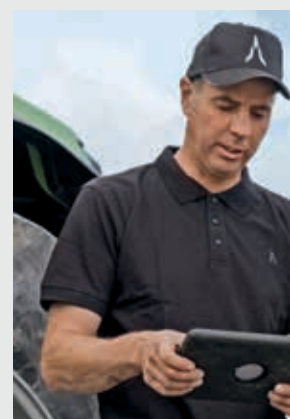




↑ The agrirouter allows users to communicate from different areas of application, ensuring reliable data exchange.



↑ Connect the Series 6 with your dealer for fast and comfortable support.



↑ SDF Fleet Management gives access





to machine relevant data at all time.

# **SDF** Smart Farming Solutions

## State-of-the-art technology for total connectivity.

Optimise operations. Increase efficiency. Linking machines, to the office and to any other external source, simplifies various workflows. SDF Smart Farming Solutions offers practical solutions for managing key data and staying connected at all times. The user is completely free to make his own choices and decisions at any time, while all data remain the sole property of the user.

### **SDF** Fleet Management

With the new SDF Fleet Management application, SDF offers customisable solutions for the real-time management of key data concerning the operation of the machine. Our clients benefit significantly from being in total control of their machines and from the ability to manage a host of vital data, such as tracking data relative to activities. The SDF Fleet Management suite of applications is the centralised control interface for analysing telemetry data from DEUTZ-FAHR machines. Tractor data are transmitted in real time over a mobile internet connection to the application, which allows users to analyse, monitor and even optimise the usage of their machinery. The "map" view shows the location and status of machines or an entire fleet, and can also display historical data. On request, you can set up virtual fences to receive warnings if a machine leaves the area. Error messages may be forwarded to the technical support team of the dealership, and used to predict failure and reduce unnecessary machine down time. Thanks to the Remote Support application, dealers can easily access to the iMonitor3 after drivers permission to assist for eventual upcoming operational questions or issues.

### **SDF** Data Management

Efficient Data Management is becoming increasingly important to optimize work processes for farm and field management. SDF uses standard file formats like shape or ISO-XML for more reliable data exchange. This allows users to keep track of what is going on at all times with coherent data transferred in a coordinated manner.



Agrirouter is a universal platform permitting reliable and neutral data exchange between a wide variety of different terminals. The platform simplifies data exchange and, therefore, work processes, reduces office workload and improves economic efficiency, freeing up valuable time for other activities. As a neutral data exchange platform, this is a solution to one of the biggest hurdles for digitalisation in agriculture, allowing farmers and contractors to exchange data between machine applications and agricultural software applications from different manufacturers. Each user can create a free personal agrirouter account and configure it individually. The paths to and from which data are transferred are defined by the user only in the settings menu. A list of partners and additional information can be found at [www.my-agrirouter.com](http://www.my-agrirouter.com). The series 6 family is already fitted with all the necessary hardware from factory, existing DEUTZ-FAHR tractors can be retrofitted subsequently with the required components.



# READY FOR ANYTHING.

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

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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: Front loader packages, weights, LED lights, automatic air conditioning, iMonitor, cameras and a wide range of brake systems. 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.



↑ With the Light Kit or Ready Kit, the interfaces for the front loader are already fitted on the tractor.



↑ 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.





# WARRIOR EDITION

Limited edition for owners who demand nothing less than the best.

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## Highlights\*

- Warrior comfort seat
- DEUTZ-FAHR floor mat
- Stainless steel exhaust cover
- Warrior decal and silver chrome clasp on bonnet
- LED light package
- Illuminated external controls
- Automatic air conditioning
- Rear lower soundproof glass

\*Available equipment depends on the market.



↑ Warrior comfort seat.



↑ Impressive LED light signature



↑ LED illumination of mudguard controls.

For owners who like to stand out from the crowd, DEUTZ-FAHR offers the coveted Warrior equipment variant for the Series 6 models. Take advantage of the special Warrior LED lighting pack and enjoy the luxury of the comfortable Warrior seat, the automatic

climate control system and the audio system with DAB. With taking the choice of a Warrior Edition the Series 6 makes a bold impression and stands out unmistakably from the crowd.



Technical data		SERIES 6.4 RCSHIFT/POWERSHIFT			
		6145.4	6155.4	6165.4	6175.4
ENGINE					
Model		Deutz TCD 4.1			
Emissions	Stage	V			
Cylinders / Displacement	no / cc	4 / 4038			
Turbocharger with charge air cooling		●			
Viscostatic fan		●			
Injection pressure (Deutz Common Rail)	bar	1600			
Max. power (ECE R120)	kW / hp	105,9/144 <sup>1)</sup>	114,8/156	120,8/164	125,7/171
Max. power with boost (ECE R120)	kW / hp	-	-	125,7/171	-
Power at rated speed [with boost in kW] (ECE R120)	kW / hp	101,1/137 <sup>1)</sup>	109,5/149	[119,9] 115,1/157	119,9/163
Speed at maximum power	rpm	1900			
Max. engine speed (rated)	rpm	2100			
Max. torque	Nm	663		699	
Speed at maximum torque	rpm	1500			
Air filter with dust ejector		●			
Fuel tank capacity	l	225			
AdBlue capacity	l	28			
Oil change interval	hours	500			
TRANSMISSION					
Model		Powershift/Rcshift			
Transmission ratio		1,3436			
Number of gears	qty.	30 + 15			
Number of gears with creeper gearbox	qty.	54 + 27			
Powershift steps (forwards/backwards)	qty.	6/3			
Minimum speed with super creeper gear	kph	0,37			
Top speed 50 km/h	rpm	1969 ECO / 1530 SuperECO			
Top speed 40 km/h	rpm	1575 SuperECO / 1224 UltraECO			
Driving strategies (Auto/Semi-Auto/Manual)		●			
SpeedMatching/SenseShift/ComfortClutch		●			
Electro-hydraulically controlled multi-plate clutch in oil bath		●			
PowerShuttle with SenseClutch (5 control stages)		●			
HYDRAULICS AND LINKAGE					
Constant pump capacity (standard)	l/min	84			
LoadSensing pump capacity (optional)	l/min	120/160			
Maximum removable oil quantity	l	40			
Seperate steering pump	l/min	42			
Mechanical auxiliary control units (standard)	qty.	2			
Mechanical auxiliary control units (optional)	qty.	4			
Electrohydraulic auxiliary control valves rear (optional)	qty.	2/4/5			
Electrohydraulic auxiliary control valves front ComfortPack (optional)	qty.	1/2			
Aux valves settable in time and flow - proportional engagement		●			
PowerBeyond		○			
Radar		○			
Rear linkage lifting capacity (standard)	kg	6200			
Rear linkage lifting capacity (optional)	kg	9700			
External operation on rear fenders		●			
Front linkage		○			
Front linkage lifting capacity	kg	4110			
External operation on front lift		○			
Hydraulic upper links		○			
PTO					
Rear PTO 540 / 540 ECO / 1000 / 1000 ECO		●			
Front PTO 1000 or 1000 ECO		○			
Automatic PTO		●			
AXLES AND BRAKES					
Model front axle		Carraro 20.29			
Suspended front axle		○			
Brakes for front axle		○			
Electro-hydraulic differential lock 100%		●			
ASM system		●			
Performance steering ready with EasySteer function		○			
Steering angle	degree	52			
Brake booster (PowerBrake)		●			
Mechanical park brake		●			
Pneumatic trailer brake		○			
Hydraulic trailer brake		○			
ELECTRICAL SYSTEM					
Voltage	V	12			
Battery (standard)	V / Ah	12 / 143			
Battery (option)	V / Ah	12 / 180			
Alternator	V / A	14 / 200			
External socket, 30 A		●			
Interface for attachments 11786 (7-pole)		○			



Technical data		SERIES 6.4 RCSHIFT/POWERSHIFT			
		6145.4	6155.4	6165.4	6175.4
CAB					
MaxiVision/MaxiVision 2 depending on equipment				●	
Mechanical cab suspension				○	
Pneumatic cab suspension				○	
Rear view mirrors with courtesy LEDs				●	
Electric and heated rear view mirrors with LEDs				○	
Air conditioning				●	
Automatic A/C system				○	
Roof hatch				●	
High visibility roof "LowE"				○	
High visibility roof FOPS				○	
MaxCom Joystick (only Rcshift)				●	
iMonitor3 with 12" or 8"				○	
AutoTurn				○	
XTEND				○	
ISOBUS (with front, rear and in-cab connectors)				○	
TIM (Tractor Implement Management)				○	
VRC (Variable Rate Control)				○	
SC (Section Control) 200 sections				○	
MMI with 3 programmable short keys				○	
SR20 RTK receiver				○	
CTM connectivity module				○	
Attachment rail with socket				○	
Light control (WOLP) with coming home function				●	
Comfortip Professional (only with iMonitor3)				○	
Seat Max-Comfort Plus XL with heating function				○	
Seat Max-Dynamic Plus DDS XXL with heating and dynamic damping system				○	
Seat Max-Dynamic Evo DDS XXL with synthetic leather, active climate system and dynamic damping system				○	
Passenger seat				●	
Pre-arrangement for radio with antenna and 4 loud speakers				●	
High-level DAB+ Radio with Bluetooth and hands-free function				○	
Halogen work lights				●	
LED work lights				○	
Beacon light LED				○	
LED driving light				○	
iLock function				●	
FRONT LOADER					
Pre-arrangement light kit				○	
Pre-arrangement ready kit (including HydroFix)				○	
Front loader model			ProfiLine FZ 45.1 / ProfiLine FZ 50.1		
Overloading height	mm		up to 4050		
Breakout force 900 mm before the pivot point	daN		up to 3510		
DIMENSIONS AND WEIGHTS					
Front tyres (min.)			230 / 95 R32		
Rear tyres (min.)			270 / 95 R44		
Front tyres (max.)			600 / 60 R28		
Rear tyres (max.)			710 / 60 R38		
Wheelbase	mm		2543		
Length	mm		4193 - 5255		
Height	mm		2920 - 3020		
Width	mm		2360 - 2720		
Ground clearance	mm		390 - 490		
Front axle width (flange to flange)	mm		1850		
Front axle width with brakes (flange to flange)	mm		1890		
Rear axle width (flange to flange)	mm		1720		
Unladen weight, front	kg		2700 - 3140		
Unladen weight, rear	kg		4340 - 4380		
Total unladen weight	kg		7080 - 7480		
Wheel weights			○		
Maximum permissible axle load, front	kg		4700 @ 50 kph		
Maximum permissible axle load, rear	kg		8400 @ 50 kph		
Maximum permissible weight	kg		11.500 @ 50 kph		

● = standard ○ = option -- = not available

Technical data and figures are only provided for guidance. Oil change intervals are also linked to annual/biennial cycles. DEUTZ-FAHR is committed to continuously adapting its products to your requirements and therefore reserves the right to make updates without prior notice.

1) The value is in accordance to ECE R24. The homologated power at rated speed as per ECE R120 is 109,5 kW/149hp. This value is indicated in the registering papers.



Technical data		SERIES 6.4 TTV		
		6155.4 TTV	6165.4 TTV	6175.4 TTV
ENGINE				
Model		Deutz TCD 4.1		
Emissions	Stage	V		
Cylinders / Displacement	no / cc	4 / 4038		
Turbocharger with charge air cooling		●		
E-Viscostatic fan		●		
Injection pressure (Deutz Common Rail)	bar	1600		
Max. power (ECE R120)	kW / hp	114,8/156	120,8/164	125,7/171
Max. power with boost (ECE R120)	kW / hp	-	125,7/171	-
Power at rated speed [with boost in kW] (ECE R120)	kW / hp	109,5/149	[119,9] 115,1/157	119,9/163
Speed at maximum power	rpm	1900		
Max. engine speed (rated)	rpm	2100		
Max. torque	Nm	663	699	
Speed at maximum torque	rpm	1500		
Air filter with dust ejector		●		
Fuel tank capacity	l	225		
AdBlue capacity	l	28		
Oil change interval	hours	500		
TRANSMISSION				
Model		TTV		
Transmission ratio		1,3294		
Top speed 50 km/h	rpm	1831 ECO		1773 SuperECO / 2051 ECO
Top speed 40 km/h	rpm	1464 SuperECO		1418 / 1641 SuperECO
Active standstill (PowerZero)		●		
Cruise control		2+2		
Driving strategies (Auto/PTO/Manual)		●		
PowerShuttle with SenseClutch (5 control stages)		●		
ECO / Power Management		●		
HYDRAULICS AND LINKAGE				
LoadSensing pump capacity (standard)	l/min	120		
LoadSensing pump capacity (optional)	l/min	170		
CleanOil Hydraulic system (seperate hydraulic circuit)		●		
Maximum removable oil quantity	l	40		
Seperate steering pump	l/min	52		
Electrohydraulic auxiliary control valves rear (standard)	qty.	4		
Electrohydraulic auxiliary control valves rear (optional)	qty.	5		
Electrohydraulic auxiliary control valves front ComfortPack (optional)	qty.	1/2		
Aux valves settable in time and flow - proportional engagement		●		
PowerBeyond		○		
Radar		○		
Rear linkage lifting capacity	kg	9200		
External operation on rear fenders		●		
Front linkage with position control		○		
Front linkage lifting capacity	kg	4110		
External operation on front lift		○		
Hydraulic upper links		○		
PTO				
Rear PTO 540 / 540 ECO / 1000 / 1000 ECO		●		
Front PTO 1000 or 1000 ECO		○		
Automatic PTO		●		
AXLES AND BRAKES				
Model front axle		Carraro 20.29		
Suspended front axle		○		
Brakes for front axle		○		
Electro-hydraulic differential lock 100%		●		
ASM system		●		
Performance steering ready with EasySteer function		○		
Steering angle	degree	55		
Brake booster (PowerBrake)		●		
Electronic parking brake EPB		●		
Pneumatic trailer brake		○		
Hydraulic trailer brake		○		
ELECTRICAL SYSTEM				
Voltage	V	12		
Battery (standard)	V / Ah	12 / 143		
Battery (option)	V / Ah	12 / 180		
Alternator	V / A	14 / 200		
External socket, 30 A		●		
Interface for attachments 11786 (7-pole)		○		



Technical data		SERIES 6.4 TTV		
		6155.4 TTV	6165.4 TTV	6175.4 TTV
CAB				
MaxiVision 2			●	
Mechanical cab suspension			●	
Pneumatic cab suspension			○	
Rear view mirrors with courtesy LEDs			●	
Electric and heated rear view mirrors with LEDs			○	
Air conditioning			●	
Automatic A/C system			○	
Roof hatch			●	
High visibility roof "LowE"			○	
High visibility roof FOPS			○	
Multifunction armrest with MaxCom Joystick			●	
iMonitor3 with 12" or 8"			○	
AutoTurn			○	
XTEND			○	
ISOBUS (with front, rear and in-cab connectors)			○	
TIM (Tractor Implement Management)			○	
VRC (Variable Rate Control)			○	
SC (Section Control) 200 sections			○	
MMI with 3 programmable short keys			○	
SR20 RTK receiver			○	
CTM connectivity module			●	
Attachment rail with socket			○	
Light control (WOLP) with coming home function			●	
Comfortip Professional (only with iMonitor3)			○	
Seat Max-Comfort Plus XL with heating function			●	
Seat Max-Dynamic Plus DDS XXL with 23° swivel, heating and dynamic damping system			○	
Seat Max-Dynamic Evo DDS XXL with synthetic leather, 23° swivel, active climate system and dynamic damping system			○	
Passenger seat			●	
Pre-arrangement for radio with antenna and 4 loud speakers			●	
High-level DAB+ Radio with Bluetooth and hands-free function			○	
Halogen work lights			●	
LED work lights			○	
Beacon light LED			○	
LED driving light			○	
iLock function			●	
FRONT LOADER				
Pre-arrangement light kit			○	
Pre-arrangement ready kit (including HydroFix)			○	
Front loader model		ProfiLine FZ 45.1 / ProfiLine FZ 50.1		
Overloading height	mm	up to 4050		
Breakout force 900 mm before the pivot point	daN	up to 3510		
DIMENSIONS AND WEIGHTS				
Front tyres (min.)		230 / 95 R32		
Rear tyres (min.)		270 / 95 R44		
Front tyres (max.)		600 / 60 R28		
Rear tyres (max.)		710 / 60 R38		
Wheelbase	mm	2543		
Length	mm	4193 - 5255		
Height	mm	2920 - 3020		
Width	mm	2405 - 2750		
Ground clearance	mm	390 - 490		
Front axle width (flange to flange)	mm	1850		
Front axle width with brakes (flange to flange)	mm	1890		
Rear axle width (flange to flange)	mm	1876		
Unladen weight, front	kg	2700 - 3140		
Unladen weight, rear	kg	4340 - 4380		
Total unladen weight	kg	7540 - 7940		
Wheel weights		○		
Maximum permissible axle load, front	kg	4700 @ 50 kph		
Maximum permissible axle load, rear	kg	8400 @ 50 kph		
Maximum permissible weight	kg	11.500 @ 50 kph		

● = standard ○ = option – = not available

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Technical data		SERIES 6 RCSHIFT/POWERSHIFT					
		6155	6165	6175	6185	6205	6215
ENGINE							
Model		Deutz TCD 6.1					
Emissions	Stage	V					
Cylinders / Displacement	no / cc	6 / 6057					
Turbocharger with charge air cooling		●					
Viscostatic fan		●					
Injection pressure (Deutz Common Rail)	bar	1600					
Max. power (ECE R120)	kW / hp	114,8/156	120,8/164	129,5/176	138,5/188	152,3/207	156,2/212
Max. power with boost (ECE R120)	kW / hp	-	125,7/171	-	-	-	166,1/226
Power at rated speed [with boost in kW] (ECE R120)	kW / hp	109,9/150	[120] 115,1/157	124,4/169	133/181	144,5/197	147,6/201
Speed at maximum power	rpm	1900					
Max. engine speed (rated)	rpm	2100					
Max. torque	Nm	663	699	738	818	849	889
Speed at maximum torque	rpm	1400		1500			
Air filter with dust ejector		●					
Exhaust engine brake		○				-	
Fuel tank capacity	l	280					
AdBlue capacity	l	35					
Oil change interval	hours	500					
TRANSMISSION							
Model		Powershift / RCshift					
Transmission ratio		1,3436		1,3409		1,3395	
Number of gears	qty.	30 +15					
Number of gears with creeper gearbox	qty.	54 + 27					
Powershift steps (forwards/backwards)	qty.	6/3					
Minimum speed with super creeper gear	kph	0,37		0,39			
Top speed 50 km/h	rpm	1969 ECO / 1530 SuperECO		1863 ECO / 1447 SuperECO			
Top speed 40 km/h	rpm	1575 SuperECO / 1224 UltraECO		1490 SuperECO / 1158 UltraECO			
Driving strategies (Auto/Semi-Auto/Manual)		●					
SpeedMatching/SenseShift/ComfortClutch		●					
Electro-hydraulically controlled multi-plate clutch in oil bath		●					
PowerShuttle with SenseClutch (5 control stages)		●					
HYDRAULICS AND LINKAGE							
Standard pump capacity	l/min	84 OC			120 LS		
LoadSensing pump capacity (optional)	l/min	120/160			160		
Maximum removable oil quantity	l	40					
Seperate steering pump	l/min	42					
Mechanical auxiliary control units (standard)	qty.	2					
Mechanical auxiliary control units (optional)	qty.	4					
Electrohydraulic auxiliary control valves rear (optional)	qty.	2/4/5					
Electrohydraulic auxiliary control valves front ComfortPack (optional)	qty.	1/2					
Aux valves settable in time and flow - proportional engagement		●					
PowerBeyond		○					
Radar		○					
Rear linkage lifting capacity (standard)	kg	6200			9700		
Rear linkage lifting capacity (optional)	kg	9700			-		
External operation on rear fenders		●					
Front linkage		○					
Front linkage lifting capacity	kg	4110			5450		
External operation on front lift		○					
Hydraulic upper links		○					
PTO							
Rear PTO 540 / 540 ECO / 1000 / 1000 ECO		●					
Front PTO 1000 or 1000 ECO		○					
Front PTO DualSpeed 1000 / 1000 ECO changeable in InfoCentrePro		○					
Automatic PTO		●					
AXLES AND BRAKES							
Model front axle		Carraro 20.29			Dana M50	Dana M50/M60L	Dana M60L
Suspended front axle		○					
Brakes for front axle		○					
External dry disc brakes, front		-				○	
Electro-hydraulic differential lock 100%		●					
ASM system		●					
Performance steering ready with EasySteer function		○					
Steering angle	degree	52					
Brake booster (PowerBrake)		●					
Mechanical park brake		●					
Pneumatic trailer brake		○					
Hydraulic trailer brake		○					
ELECTRICAL SYSTEM							
Voltage	V	12					
Battery (standard)	V / Ah	12 / 143					
Battery (option)	V / Ah	12 / 180					
Alternator	V / A	14 / 200					
External socket, 30 A		●					
Interface for attachments 11786 (7-pole)		○					

Technical data		SERIES 6 RCSHIFT/POWERSHIFT					
		6155	6165	6175	6185	6205	6215
CAB							
MaxiVision/MaxiVision 2 depending on equipment				●			
Mechanical cab suspension				○			
Pneumatic cab suspension				○			
Rear view mirrors with courtesy LEDs				●			
Electric and heated rear view mirrors with LEDs				○			
Air conditioning				●			
Automatic A/C system				○			
Roof hatch				●			
High visibility roof "LowE"				○			
High visibility roof FOPS				○			
MaxCom Joystick (only Rcshift)				●			
iMonitor3 with 12" or 8"				○			
AutoTurn				○			
XTEND				○			
ISOBUS (with front, rear and in-cab connectors)				○			
TIM (Tractor Implement Management)				○			
VRC (Variable Rate Control)				○			
SC (Section Control) 200 sections				○			
MMI with 3 programmable short keys				○			
SR20 RTK receiver				○			
CTM connectivity module				○			
Attachment rail with socket				○			
Light control (WOLP) with coming home function				●			
Comfortip Professional (only with iMonitor3)				○			
Seat Max-Comfort Plus XL with heating function				○			
Seat Max-Dynamic Plus DDS XXL with heating and dynamic damping system				○			
Seat Max-Dynamic Evo DDS XXL with synthetic leather, active climate system and dynamic damping system				○			
Passenger seat				●			
Pre-arrangement for radio with antenna and 4 loud speakers				●			
High-level DAB+ Radio with Bluetooth and hands-free function				○			
Halogen work lights				●			
LED work lights				○			
Beacon light LED				○			
LED driving light				○			
iLock function				●			
FRONT LOADER							
Pre-arrangement light kit			○			-	
Pre-arrangement ready kit (including HydroFix)			○			-	
Front loader model		ProfiLine FZ 50.1 / ProfiLine FZ 60.1		ProfiLine FZ 60.1		ProfiLine FZ 80.1	
Overloading height	mm	up to 4050 - 4250		up to 4250		up to 4550	
Breakout force 900 mm before the pivot point	daN	up to 3490 - 3510		up to 3490		up to 3770	
DIMENSIONS AND WEIGHTS							
Front tyres (min.)		230/95 R32		270/95 R36			
Rear tyres (min.)		270/95 R44		380/90R46			
Front tyres (max.)		600/60 R28		600/60 R30			
Rear tyres (max.)		710/60 R38		710/60 R42			
Wheelbase	mm	2767				2848	
Length	mm	4347 - 5712		4397 - 5712		4478 - 5793	
Height	mm	2932 - 3032		3032 - 3082			
Width	mm	2360 - 2760		2482-2762			2482-2720
Ground clearance	mm	365 - 465		465-515			
Front axle width (flange to flange)	mm	1850		1780	1780/1940	1940	
Front axle width with brakes (flange to flange)	mm	1890		1780	-		
Front axle width with external dry disc brakes (flange to flange)		-			-/2046	2046	
Rear axle width (flange to flange)	mm	1720		1890			
Unladen weight, front	kg	2690 - 3130				3150 - 3590	
Unladen weight, rear	kg	4470 - 4510				4740-4780	
Total unladen weight	kg	7200 - 7600				7930-8330	
Wheel weights		○					
Maximum permissible axle load, front	kg	4700 @ 50 kph			5200 @ 50 kph		
Maximum permissible axle load, rear	kg	8400 @ 50 kph		9200 @ 50 kph			
Maximum permissible weight	kg	11.500 @ 50 kph		12.500 @ 50 kph + 6205/6215: 13.500 kg @ 40 kph			

● = standard ○ = option – = not available

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Technical data		SERIES 6 TTV			
		6155 TTV	6165 TTV	6175 TTV	6185 TTV
ENGINE					
Model		Deutz TCD 6.1			
Emissions	Stage	V			
Cylinders / Displacement	no / cc	6 / 6057			
Turbocharger with charge air cooling		●			
E-Viscostatic fan		●			
Injection pressure (Deutz Common Rail)	bar	1600			
Max. power (ECE R120)	kW / hp	114,8/156	120,8/164	129,5/176	134,3/183
Max. power with boost (ECE R120)	kW / hp	-	125,7/171	-	138,5/188
Power at rated speed [with boost in kW] (ECE R120)	kW / hp	109,9/150	[120] 115,1/157	124,4/169	[133] 129/176
Speed at maximum power	rpm	1900			
Max engine speed (rated)	rpm	2100			
Max. torque	Nm	663	699	738	818
Speed at maximum torque	rpm	1400		1500	
Air filter with dust ejector		●			
Exhaust engine brake		○			
Fuel tank capacity	l	280			
AdBlue capacity	l	28			
Oil change interval	hours	500			
TRANSMISSION					
Model		TTV			
Transmission ratio		1,3294		1,3255	1,3241
Top speed 50 km/h	rpm	1831 SuperECO		1773 SuperECO / 2051 ECO	
Top speed 40 km/h	rpm	1464 SuperECO		1418 / 1641 SuperECO	
Active standstill (PowerZero)		●			
Cruise control		2+2			
Driving strategies (Auto/PTO/Manual)		●			
PowerShuttle with SenseClutch (5 control stages)		●			
ECO / POWER Management		●			
HYDRAULICS AND LINKAGE					
LoadSensing pump capacity (standard)	l/min	120			
LoadSensing pump capacity (optional)	l/min	170			
CleanOil Hydraulic system (seperate hydraulic circuit)		●			
Maximum removable oil quantity	l	40			
Seperate steering pump	l/min	52			
Electrohydraulic auxiliary control valves rear (standard)	qty.	4			
Electrohydraulic auxiliary control valves rear (optional)	qty.	5			
Electrohydraulic auxiliary control valves front ComfortPack (optional)	qty.	1/2			
Aux valves settable in time and flow - proportional engagement		●			
PowerBeyond		○			
Radar		○			
Rear linkage lifting capacity	kg	9200			
External operation on rear fenders		●			
Front linkage with position control		○			
Front linkage lifting capacity	kg	4110			5450
External operation on front lift		○			
Hydraulic upper links		○			
PTO					
Rear PTO 540 / 540 ECO / 1000 / 1000 ECO		●			
Front PTO 1000 or 1000 ECO		○			
Front PTO DualSpeed 1000 / 1000 ECO changeable in InfoCentre <sup>PRO</sup>		○			
Automatic PTO		●			
AXLES AND BRAKES					
Model front axle		Carraro 20.29			Dana M50
Suspended front axle		○			
Brakes for front axle		○			
Electro-hydraulic differential lock 100%		●			
ASM system		●			
Performance steering ready with EasySteer function		○			
Steering angle	degree	52			
Brake booster (PowerBrake)		●			
Electronic parking brake EPB		●			
Pneumatic trailer brake		○			
Hydraulic trailer brake		○			
ELECTRICAL SYSTEM					
Voltage	V	12			
Battery (standard)	V / Ah	12 / 143			
Battery (option)	V / Ah	12 / 180			
Alternator	V / A	14 / 200			
External socket, 30 A		●			
Interface for attachments 11786 (7-pole)		○			


Technical data		SERIES 6 TTV			
		6155 TTV	6165 TTV	6175 TTV	6185 TTV
CAB					
MaxiVision 2				●	
Mechanical cab suspension				○	
Pneumatic cab suspension				○	
Rear view mirrors with courtesy LEDs				●	
Electric and heated rear view mirrors with LEDs				○	
Air conditioning				●	
Automatic A/C system				○	
Roof hatch				●	
High visibility roof "LowE"				○	
High visibility roof FOPS				○	
Multifunction armrest with MaxCom Joystick				●	
iMonitor3 with 12" or 8"				○	
AutoTurn				○	
XTEND				○	
ISOBUS (with front, rear and in-cab connectors)				○	
TIM (Tractor Implement Management)				○	
VRC (Variable Rate Control)				○	
SC (Section Control) 200 sections				○	
MMI with 3 programmable short keys				○	
SR20 RTK receiver				○	
CTM connectivity module				●	
Attachment rail with socket				○	
Light control (WOLP) with coming home function				●	
Comfortip Professional (only with iMonitor3)				○	
Seat Max-Comfort Plus XL with heating function				●	
Seat Max-Dynamic Plus DDS XXL with 23° swivel, heating and dynamic damping system				○	
Seat Max-Dynamic Evo DDS XXL with synthetic leather, 23° swivel, active climate system and dynamic damping system				○	
Passenger seat				●	
Pre-arrangement for radio with antenna and 4 loud speakers				●	
High-level DAB+ Radio with Bluetooth and hands-free function				○	
Halogen work lights				●	
LED work lights				○	
Beacon light LED				○	
LED driving light				○	
iLock function				●	
FRONT LOADER					
Pre-arrangement light kit				○	
Pre-arrangement ready kit (including HydroFix)				○	
Front loader model		ProfiLine FZ 50.1 / ProfiLine FZ 60.1		ProfiLine FZ 60.1	
Overloading height	mm	up to 4050 - 4250		up to 4250	
Breakout force 900 mm before the pivot point	daN	up to 3490 - 3510		up to 3490	
DIMENSIONS AND WEIGHTS					
Front tyres (min.)		230/95 R32		270/95 R36	
Rear tyres (min.)		270/95 R44		380/90R46	
Front tyres (max.)		600/60 R28		600/60 R30	
Rear tyres (max.)		710/60 R38		710/60 R42	
Wheelbase	mm	2767			
Length	mm	4347 - 5712		4397 - 5712	
Height	mm	2932 - 3032		3032 - 3082	
Width	mm	2360 - 2760		2482-2762	
Ground clearance	mm	365 - 465		465-515	
Front axle width (flange to flange)	mm	1850			1780
Front axle width with brakes (flange to flange)	mm	1890			1780
Rear axle width (flange to flange)	mm	1876		1876	
Unladen weight, front	kg	2890 - 3330		2940 - 3330	3060 - 3500
Unladen weight, rear	kg	4900 - 4940		5000 - 5040	5100 - 5140
Total unladen weight	kg	7830 - 8230		7980 - 8380	8200 - 8600
Wheel weights		○			
Maximum permissible axle load, front	kg	4700 @ 50 kph			5200 @ 50 kph
Maximum permissible axle load, rear	kg	8400 @ 50 kph		9000 @ 50 kph	
Maximum permissible weight	kg	11.500 @ 50 kph		12.500 @ 50 kph	

● = standard ○ = option – = not available

Technical data and figures are only provided for guidance. Oil change intervals are also linked to annual/biennial cycles. DEUTZ-FAHR is committed to continuously adapting its products to your requirements and therefore reserves the right to make updates without prior notice.



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