

# SERIES

# 9



6160 // 6170 // 6180 // 6190 // 6210 // 6230

POWERSHIFT - RCSHIFT - TTV

6230 TTV HD

EPA



**DEUTZ  
FAHR**

# // SERIES 6

## SMOOTH AND STRONG

These tractors are designed to be both compact and powerful to handle a wide range of applications. With a lot of power, extraordinary agility and an extensive selection of equipment and accessories, the 6 Series shines. Ideal for working with front loaders, quick transport tasks but also for heavy and demanding work in the field. These are the 6 cylinder tractors for excellent results in every task.

## CONVENIENT

The Series 6 tractors are ideal for daily farming applications. With a wide steering angle, excellent outward visibility and the choice of three different wheelbases these tractors are particularly well-suited for you. Whether you need to transport silage, mow fields, or perform other essential tasks, the Series 6 tractors provide the power and maneuverability you need to get the job done efficiently and effectively.

## COMFORT

The MaxiVision cabs available in different versions, all characterised by the use of high-quality materials and best-in-class comfort with regard to acoustics and vibrations. A range of optional equipment, such as full electric distributors, the 8" or 12" iMonitor, the MaxCom armrest, ISOBUS connectivity, the automatic steering system and the latest technologies in terms of SDF Smart Farming Solutions for precision farming enable the daily work of operators to be automated and simplified, so that they can enjoy levels of comfort that have never been seen before on a tractor in this category.

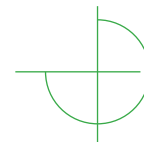


## Broad versatility.

THE DEUTZ-FAHR SERIES 6 STANDS OUT IN ITS CATEGORY WITH EXCELLENT TECHNICAL FEATURES, MAKING IT THE 6 CYLINDER TRACTOR OF YOUR CHOICE.







## PRODUCTIVITY

Three transmission variants: TTV, RCshift and Powershift with different levels of automation. Load Sensing hydraulic systems that can deliver up to 210 l/min, high maximum permissible weights as well as rear and front power lifts offering category leading performance.



### LARGE WHEELBASE

6210-6230 POWERSHIFT/RCSHIFT/TTV



### EXTRA LARGE WHEELBASE

6230 TTV HD



The Series 6 models span a power range that runs from 161 to 230 HP. In addition to their unrivalled versatility, productivity, reliability and fuel economy, these tractors also offer very high levels of on-board comfort, and are distinguished by the quality of their components. The tractors are powered by efficient 6-cylinder engines, which throb under modern bonnets that stand out for their futuristic DEUTZ-FAHR design. The various models offer a choice of different transmission technology, all featuring the widely appreciated PowerShuttle with the usual 5 levels of responsiveness, which can be selected by the user. Maximum speeds of up to 50 kph can be reached while the engine stays at low engine revs, helping to reduce fuel consumption and wear during transport and road transfers. In addition, the Stop&Go (RCshift models) or PowerZero (TTV models) function contributes to making work easier. With compact dimensions, optimal power-to-weight ratio, super external visibility and wide steering angle, these models are perfect in a wide range of operations, including those using a front loader. Furthermore, the powerful Load Sensing hydraulic system, which can deliver up to 210 l/min and power up to 5 rear distributors, makes these machines ideal for day-to-day activities.

# // MADE IN GERMANY

A production plant for the tractors of the future.

## DEUTZ-FAHR LAND (LAUINGEN), THE MOST MODERN TRACTOR PLANT IN EUROPE.

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 129 to 336 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 the love for details, the new Series 6 tractors are exceptionally efficient both in the field and on the road.

## DEUTZ-FAHR SERVICE

NOT JUST CLOSE, BUT ALSO FAST.

- > 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



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





> We set new standards in production quality.

# // ENGINE

## Super-modern 6-cylinder.

The Series 6 uses powerful 6-cylinder engines. These engines are designed to ensure strong levels of reliability along with high operating economy. The models are powered by the well known TCD 6.1 engines, which enable power of up to 230 HP and up to 970 Nm of torque. The engines have high-pressure injection systems with fully electronically-controlled Common Rail layouts. That system guarantee a swift response to load variations and exceptional and consistent power and torque values. Moreover, they ensure optimal diesel combustion, resulting in reduced fuel consumption and noise levels. The models boast numerous exceptional technical features. These include turbochargers equipped with waste-gate valves or electronically-controlled viscstatic fans (on TTV models) and an advanced exhaust after-treatment package. These components are meticulously designed to minimise diesel and AdBlue consumption while meeting the stringent EPA requirements. The use of cutting-edge manufacturing processes has made it possible to drastically reduce manufacturing tolerances in order to further limit internal friction, which not only brings benefits in terms of performance and efficiency, but also further extends the service intervals: indeed all models of the tractors of the Series 6 reach an oil change interval up to 1000 h. Last but not least, the engine even run with alternative fuels, being officially certified to be powered by HVO (Hydrotreated Vegetable Oil). Thanks to it, CO<sub>2</sub> emissions are reduced and consequently environmental sustainability increased.

### HIGHLIGHTS

- > Powerful 6-cylinder engines
- > High torque already at 1000 rpm
- > EngineBrake<sup>plus</sup> with Visco fan activation on TTV models available
- > Engine oil change interval 1000 hours



> Aluminium cooling system Performance<sup>+</sup> with one-hand release lever for models 6160-6190.

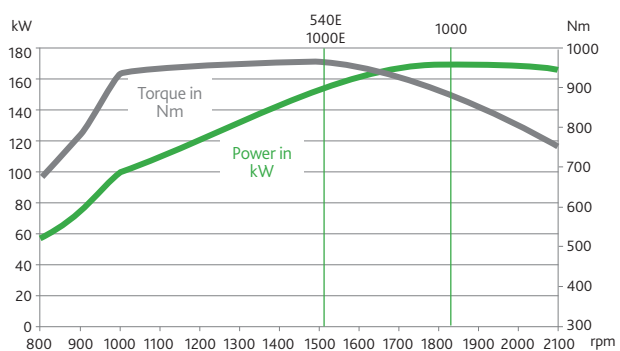


> Aluminium cooling system Performance<sup>Pro</sup> with one-hand release lever for models 6210-6230.





- > Electronic hand throttle with two storable speed memories.



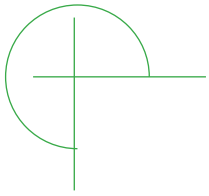
- > Low engine speed concept with optimised power and torque curves (6230 TTV - 6230 TTV HD curve shown in graph).



- > Cyclone pre-cleaning system for maximum service life of the PowerCore engine air filter.



- > Braking without wear thanks to the engine brake



# // EFFICIENT

The Series 6 offers amazing efficiency thanks to economical engines and efficient power transfer.





# CY



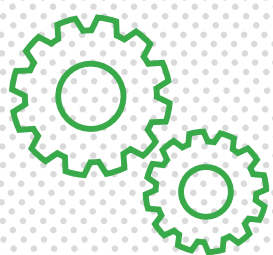


# // POWERSHIFT TRANSMISSION

Pure driving experience.

The proven Powershift version of the Series 6 stands for superior ease of operation and convenience with highest efficiency. It includes a gearbox with 6 Powershift stages that are perfectly spaced in 5 ranges, providing the operator with 30 speeds when moving forward and 15 in reverse. The Speed-Matching feature comes as standard and selects automatically the Powershift stage when shifting between ranges. The transmission also includes the ComfortClutch function, allowing the operator to shift the ranges by simply pressing a button on the gear knob instead of using the clutch pedal. Thanks to the Automatic Powershift (APS) function the driving comfort is further increased: The function aids the driver and switches automatically the Powershift stages inside the ranges, depending on the engine load.

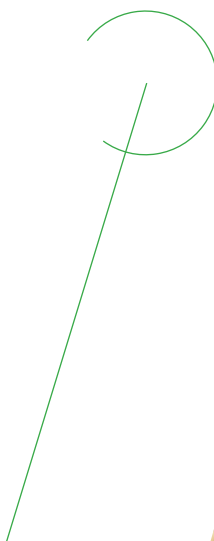
The PowerShuttle has 5 user-selectable responsiveness levels which allowing the operator to adjust the behaviour depending on the work, for complete safety even when working on a gradient and under load and to improve significantly the productivity in tasks such as working with a front loader. The maximum speed (40 or 50 km/h) can be attained while maintaining a low engine speed, contributing to fuel savings during transportation and travel on the road.



30+15 gears  
(54+27 with creeper)

## HIGHLIGHTS

- > 6 Powershift stages, perfectly spaced in 5 ranges
- > Speed-Matching SenseShift and ComfortClutch as standard
- > Automatic Powershift (APS) for greater comfort available
- > PowerShuttle with 5 adjustable settings as standard
- > Creeper option with speeds as low as 175 m/h at 1000 rpm available
- > Maximum speed of 40 km/h or 50 km/h at ECO engine speeds



> Ergonomic gear lever with ComfortClutch, APS and Powershift buttons.





> PowerShuttle lever with SenseClutch adjustment dial.



> Easy and intuitive – with the ECO/Power adjustment knob the operator can change the APS (Automatic Powershift) shifting behaviour.

# // RCSHIFT TRANSMISSION

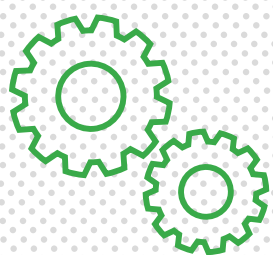
## Robotised driving.

If you are looking for that extra level of comfort the RCshift transmission will satisfy you. The gearbox with its 6 Powershift stages and 5 robotised ranges offer the full productivity, efficiency and functionality of the Powershift transmission with enhanced comfort. It allows smooth range shifts, from the lowest to the highest, by simply pushing or pulling the MaxCom lever. It offers also an additional automatic function, for shifting automatically not only the Powershift stages but also the ranges. And, thanks to the Stop&Go function, the transmission can also be stopped and started without using the clutch.

For supreme comfort the RCshift transmission offers three driving modes:

- Manual: The operator is in complete control over the whole transmission, changing Powershift stages and ranges manually, by simply pushing and pulling the MaxCom lever.
- Semi-Auto: The operator is taking advantage from the Automatic Powershift (APS) function, to maximise productivity in the field.
- Auto: Ideal for transport application as it combines automatic shifting -of Powershift stages and ranges- with fuel savings at a high level of comfort. The advanced control automatically selects the perfect ratio to suit the engine load at the prevailing conditions.

The RCshift transmission provides 54 speeds when moving forward and 27 in reverse, including the creeper gears. Besides providing a variety of speeds between 4 and 14 km/h for the most common field tasks, the RCshift transmission also allows the tractor to attain a speed of 50 km/h, keeping the engine at just 1530 rpm, or 40 km/h at just 1158 rpm (depending on tyres and model), to help the operator minimise consumption and noise at all times.



54+27 gears  
(creeper in standard)

## HIGHLIGHTS

- > Auto mode and Cruise Control for maximum comfort and efficiency during transport
- > Stop&Go function, allowing to stop the tractor without pressing the clutch
- > UltraECO speeds as standard: 40 kph at only 1158 rpm and 50 kph at only 1530 rpm (for 6180 - 6230) and 40 kph at only 1224 rpm and 50 kph at only 1575 rpm (for 6160 and 6170)
- > Creeper speeds as standard

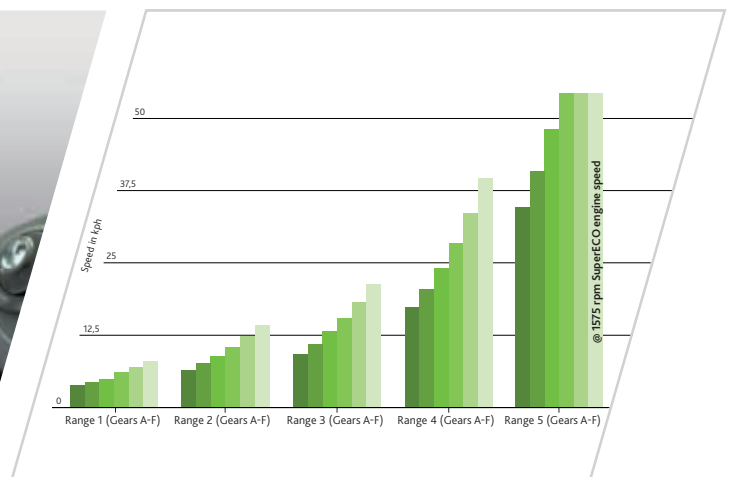


- > Ideal with front loader: on MaxiVision<sup>+</sup> the crosslever includes a programmable jolly thumbwheel, for direction change or Powershift actuation.





> Simple and intuitive transmission management through the practical and ergonomic MaxCom joystick.



> RCshift speeds: exceptional overlap of the different ranges and 50 kph superECO for maximum fuel efficiency (engine rpm with maximum tire size).

# // TTV TRANSMISSION

It's all about technology.

The TTV transmission sets a benchmark for efficiency and reliability and represents the state of the art in transmission technology for agricultural tractors. It offers speeds from 0.1 to 50 kph. The TTV transmission delivers uniform and seamlessly smooth power in all conditions without jolting and stands for high efficiency, low fuel consumption and extreme tractive power. It combines unbeatable mechanical strength with weight-saving solutions used for moving parts in particular, which minimise inertia and allow the unit to attain extremely high levels of efficiency. All of this translates to a substantial increase in the torque effectively transmissible to the wheels, and a distinct improvement in draft capacity.

The TTV transmission feature 3 driving modes: Automatic, PTO and Manual, to offer the ideal solution for any task. A dial lets the operator select mixed settings between ECO mode, which minimises fuel consumption, and Power mode, which maximises tractor performance.

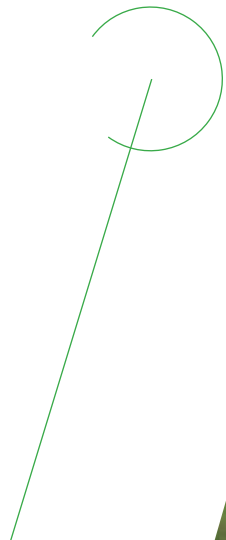
An advantage of the TTV transmissions is the ability to travel at high road transport speeds while the engine running at low speeds: In the example of 6230 TTV a speed of 50 kph is achieved with the engine running at less than 1500 rpm, while 40 kph are attainable at engine speeds below 1200 rpm.

All versions come as standard with the PowerZero function which maximises safety and comfort even when working on the steepest gradients by holding the vehicle securely in a stationary position without requiring the operator to use the brake or clutch pedals and with the Electronic Parking Brake. The TTV transmission is also equipped with the proven PowerShuttle, with 5 predefined responsiveness levels selectable by the user for the best results in any situation.

6160  
6170  
6180  
6190  
6210  
6230  
6230 HD

## HIGHLIGHTS

- > Max. speed of 50 kph for all models
- > Armrest with MaxCom joystick
- > PowerShuttle with 5 adjustable settings
- > 2 Cruise Control memories and PowerZero function
- > Electronic Parking Brake in base equipment (EPB)

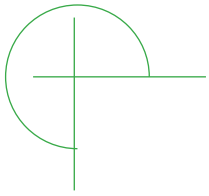


- > Maximise productivity and minimise fuel consumption with super-efficient engine speeds during transport operations.





> Ergonomic MaxCom joystick with lift buttons, engine/transmission controls, headland management button and two proportional hydraulic valve control units.



# // AGILITY

The Series 6 tractors are agile, smooth and powerful, providing the perfect combination of balance, speed, responsiveness, productivity and endurance.









# // HYDRAULIC SYSTEM

Completely modular.

The modular concept according to which the hydraulic system of the new Series 6 has been developed allows many variations. With a view to configuring the system for each specific requirement, options are available which range from open-centre systems with a fixed main pump with up to 84 l/min flow rate to closed-centre systems with 120, 160 or even 210 l/min Load Sensing pumps. All versions are equipped with an additional independent pump specifically for the hydraulic

steering system, in order to ensure smooth, precise steering even at low engine speeds, as well as when using lifts or when working with the front loader. Depending on the model, the Performance Steering option offers an additional pump, which increases and optimises steering performance when manoeuvring or when using the SDF Guidance automatic steering system.



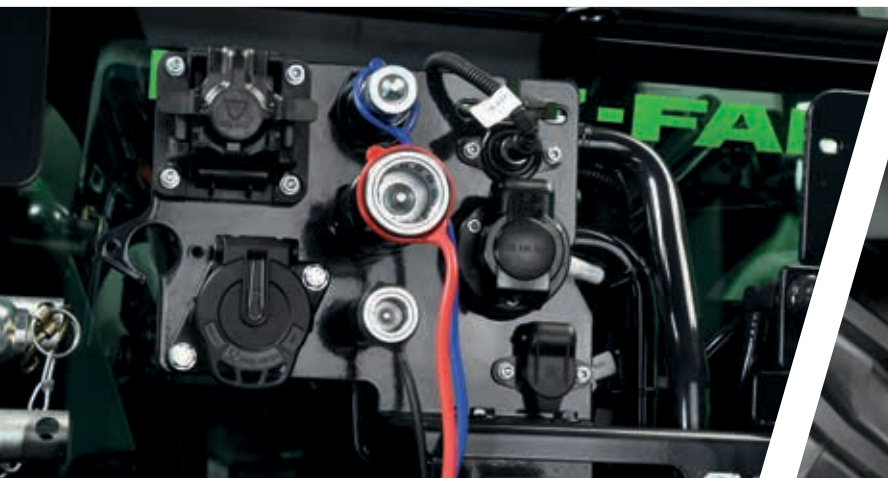


# HIGHLIGHTS

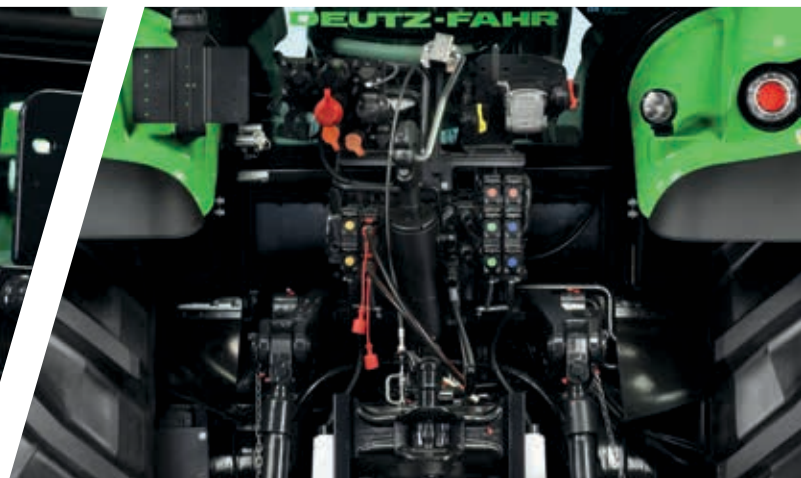
- > Ultimate configurability: from 84 l/min to 210 l/min with Load Sensing pumps
- > Mechanical, electronic or mixed rear hydraulic valve configuration
- > Up to 5 rear valves and Power Beyond as option
- > Up to 2 independent front hydraulic distributors
- > Up to 90 l removable oil capacity

The Series 6 provides a vast selection in terms of hydraulic distributors; options include distributors in fully mechanical (MaxiVision), mixed (MaxiVision<sup>+</sup>) or fully electric (MaxiVision<sup>pro</sup>) versions. Electronically controlled distributors also come with a timing function in addition to the flow control function. Depending on the version selected, it is possible to equip the machine with a maximum of five rear distributors.

Naturally, a PowerBeyond coupling is also available as an option, with cutting-edge flat face couplers or standard couplers. It is also possible to select from 1 or 2 independent electronic distributors at the front. The front lift or front distributors can be controlled via a joystick or via the MaxCom lever (if present).



> Power Beyond available with standard or flat face couplers.



> Up to 5 electric distributors in the rear.



> External controls on both sides for rear lift, PTO and up to one spool valve.



> Mixed configuration with 2 mechanical distributors and 2 electric ones.





## HIGHLIGHTS

- > Up to 4 PTO speeds available
- > Up to 10 tons rear lift capacity
- > Up to 5,45 tons front lift capacity
- > Load relief control optionally available for front linkage



- > In addition to the HD front linkage with up to 5450 kg lifting capacity, DEUTZ-FAHR offers the front linkage efficient, with 3800 kg lift capacity and a perfect price value ratio.



- > Rear lift adjustments under armrest cover on models with MaxiVision<sup>Pro</sup> cab.



# // PTO AND LIFTS

## Total power and configurability.

Unique in the market is the DualSpeed front PTO. With the DualSpeed option, 1000 and 1000 ECO PTO speeds can be changed from inside the cab in the InfoCentrePro. This allows maximum operating efficiency at all times and means that it is possible to operate with 1000 PTO or 1000 ECO PTO in the front and the rear. This results in significant reduced fuel consumption, less wear of the moving parts and low noise in the cab due to the right PTO speed depending on field conditions.

At the rear, up to four PTO speeds 540/540ECO/1000/1000ECO are in standard equipment. All models offer maximum versatility and the highest performance when using different equipment. To quickly and efficiently adapt the tractor to any implement, all models fit the very useful removable PTO output shaft as standard.

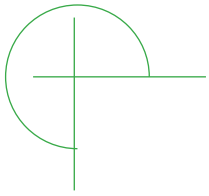
The focus right from the design stage of the rear lifts has been on ensuring that the heaviest equipment can be handled with ease. For this reason - depending on the model - the rear lift can achieve exceptional maximum lifting capacities of up to 10000 kg. An integrated damping system that compensates the oscillations produced by equipment is included as standard. The optional front lift has a maximum capacity of up to 5450 kg. For TTV models with the MaxiVision<sup>Pro</sup> cab, load relief control is available for an easy adjustment of the contact pressure for front mower, snow ploughs or other contour following implements.



> Rear linkage with transport position so that the lower links do not collide with the drawbars when cornering (for 6190 TTV - 6230 HD TTV).



> Front lift with load relief control allows adjusting the contact pressure of the implement and reallocates weight to the front axle.



# // MASTERP

The MaxiVision cab family is the gold standard in its class and represent the next generation of a masterpiece of design, ergonomics and comfort.



# IECE



# // MAXIVISION

Everything you need.

The latest generation of the MaxiVision cab further increases its functionality and provide to the operator outstanding comfort, paired with best ergonomics and a perfect all round visibility. For the first time, DEUTZ-FAHR is offering three variants to provide exactly the technological level suiting the customer's needs. MaxiVision is the entry level and is available on models equipped with 2 or 4 mechanical rear spool valves. It provides all the characteristics the operator is expecting from DEUTZ-FAHR, with a blend of simplicity and ease of use. All of the controls feature a comfortable, ergonomic layout and, in keeping with the DEUTZ-FAHR tradition, adopt the colour coding scheme so that even new drivers can quickly find their way around. The InfoCentre<sup>Pro</sup> provides to the operator all the information necessary and, for the use of an ISOBUS implement or guidance, the 8 inch iMonitor is available as well. Seat options with up to 30 degree swivel together with the revamped air-conditioning system with its additional air-outlets; a sophisticated suspension concept, high quality materials and its size make the MaxiVision cab the perfect place to be, even on a long day of work.

POWERSHIFT


RCSHIFT

TTV



## HIGHLIGHTS

- > MaxiVision for models with mechanical rear spool valve configuration
- > Mid mounted spool valves available for front-lift and front valves (ComfortPackage)
- > Front loader Ready Kit with mechanical cross lever available
- > Available for models with Powershift or RCshift transmission



> The MaxiVision cab convinces with timeless design, state of the art comfort and best all round visibility.





> MaxiVision cab equipment with full mechanical rear spool valves in combination with Powershift (large picture) and RCshift (picture above) transmission.

# // MAXIVISION<sup>+</sup>

## Your addition on comfort.

To satisfy the demand of increased productivity by farmers and contractors all over the world, DEUTZ-FAHR has evolved its MaxiVision cab and added a new variant which let the operator work smarter and faster, with increased comfort and ergonomics.

MaxiVision<sup>+</sup> is available on models equipped with the newly developed mixed rear hydraulic configuration, which includes two mechanical and two electro-hydraulic spool valves. While the mechanical spool valves score points for their ease of use, the electronic ones shine with their high level of comfort, especially during repetitive work processes. On models with Powershift transmission they are controlled through an electronic cross lever installed on the side satellite, which also controls the optional front lift. Models with RCshift or TTV transmission offer additional comfort, as the cross lever – which additionally might also be used for the front loader operation – is ergonomically placed on the armrest and includes a possibility to change driving direction. Besides, on models with RCshift and TTV transmission, the rear spool valves can also be controlled by two thumb wheels installed on the MaxCom joystick.

In addition to the features already available with MaxiVision, the iMonitor with MaxiVision<sup>+</sup> includes a dedicated page to allow the operator to adjust the oil flow and time in the most convenient way. To optimise the work processes, models with RCshift and TTV transmission feature also the ComfortTip headland management - to further increase the efficiency at work.

POWERSHIFT

RCSHIFT

TTV



## HIGHLIGHTS

- > MaxiVision<sup>+</sup> for models with mixed rear spool valve configuration
- > Mid mounted spool valves available for front-lift and front valves (Comfort Package)
- > Front loader Ready Kit with electronic cross lever available
- > Available for models with Powershift, RCshift and TTV transmission



> The MaxiVision<sup>+</sup> cab equipment with mixed rear spool valve configuration is available with Powershift transmission.





> On models with RCshift transmission the thumbwheels on the MaxCom joystick and two mechanical levers control the rear spool valves, while the cross lever might be used to control the front loader.

> MaxiVision<sup>+</sup> adds not only comfort on models with RCshift transmission (large picture) but also on the ones with TTV transmission (picture above).

# // MAXIVISION<sup>Pro</sup>

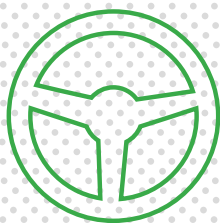
The best you can get.

The highest level of the MaxiVision cab sets the benchmark in terms of ergonomics and unleashes advanced features and functions in terms of automation, Smart Farming capacities and full connectivity. MaxiVision<sup>Pro</sup> is the premium level and available on models equipped with 4 or 5 electro-hydraulic rear spool valves. With this equipment the operator gets not only the advantage of fully electronically controlled spool valves but also the possibility to install the optional 12 inch iMonitor on the MaxCom armrest. Thanks to the size, the iMonitor is ideal for the parallel work with an ISOBUS implement, and e.g. the guidance system. The ergonomic MaxCom armrest hosts all the controls the operator needs during the workday: transmission, hydraulic, PTO and lift as well as further tractor functions are perfectly integrated. In addition to the features already available on the other versions, MaxiVision<sup>Pro</sup> allows also to freely assign the spool valves to the different controls, which can be used for ISOBUS AUX-N functions as well. It is easy to see, working in a MaxiVision<sup>Pro</sup> cab is a pleasure!

POWERSHIFT

RCSHIFT

TTV



## HIGHLIGHTS

- > MaxiVision<sup>Pro</sup> for models with electronic rear spool valve configuration
- > Mid mounted spool valves available for front lift and front valves (Comfort Package)
- > Front loader Ready Kit with electronic cross lever available
- > Available for models with RCshift and TTV transmission



- > To control the electric spool valves in the MaxiVision<sup>Pro</sup> cab the operator can choose among the blue fingertip controls, the small joystick or the handy thumbwheels on the MaxCom joystick.





> The MaxiVision<sup>™</sup> equipment is available on models with TTV (large picture) or RCshift transmission (picture above).

# // MAXIVISION CAB FAMILY

Highest comfort and many options for individualisation.

All the MaxiVision cabs provide a silent and comfortable work environment. Outstanding driving comfort is provided by the combination of the premium seats with optional dynamic damping system and different available cab suspensions in mechanical or pneumatic versions.

The new MaxiVision cabs are now also available, in addition to the openable roof hatch, with an openable front window. On all versions, the large windows guarantee a perfect 360° view of the area around the tractor and, thanks to the precisely designed front bonnet, also the area in the front can be viewed with ease. For an even better overview, the new Series 6 models are equipped with new 65% larger rear mirrors and with up to 4 external cameras.

The use of high quality materials and very large windows creates a pleasant, luminous and welcoming work environment. Various bracket options allow a robust and fast installation of the control boxes for implements and the most common tablets. A new active cooling box keeps snacks and drinks cool during the longest working day. While up to 23 LED work lights ensure to stay fully focused even at night. And with the new 4.1 premium sound system the operator can listen to their favourite songs with even greater pleasure.



> Openable front window.



> The removable cooling box keeps drink and food cool.



> A wide range of mounting brackets is offered.

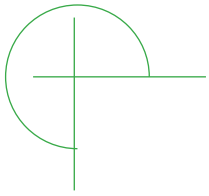


> The new 4.1 premium sound system offers a superior sound experience.










# SPECIAL E



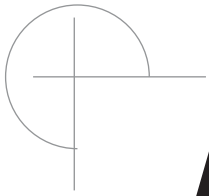
For owners who demand  
always to stand out.



# DITIONS







# // WARRIOR EDITION

Exclusive features of the Warrior Edition models.

All models of Series 6 can be ordered in the exclusive Warrior edition, which boasts a high quality package of trims, emphasised by the extensive use of gleaming chrome on the exterior, as well as exclusive interior fittings inside the cab, with a vast range of accessories. The new Warrior Edition can be selected in 5 different colours: DEUTZ-FAHR standard green, Java Green, glossy Black, Matt Black, Matt Green. With the Warrior versions, the powerful work lights - which are available in LED technology - light up even the darkest nights, whilst the comfortable Warrior seats and automatic air conditioning further enhance the comfort of the MaxiVision cab.

Matt Black

Black

Matt Green

Java Green

Standard Green

> Warrior colour palette: choose your style.



> The WARRIOR models feature a wide range of high-quality components as standard, underlining the exclusive character of this equipment variant.

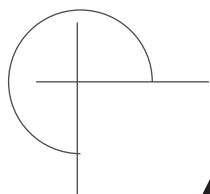


# HIGHLIGHTS

- > Warrior comfort seat
- > Stainless steel exhaust cover
- > Warrior decals and silver clasp on bonnet
- > Optional LED light package
- > Rear lower soundproof glass

Depending on model and equipment some options might differ.





# DEUTZ-FAHR *Lamborghini*<sup>®</sup> edition

## Over the Top Experience.

In the context of continuous technological innovation and an evolving market, an extraordinary new offering is added to DEUTZ-FAHR's already extensive range. An offering which not only responds to the demand for increasingly innovative and connected machines, but also caters for the more emotive, aspirational side of today's agricultural professional.

This is the DEUTZ-FAHR Lamborghini edition, a fusion of the best in German technology and reliability with an iconic brand with an all-Italian history and unique, unconventional style.

### AN OVER THE TOP EDITION

Each DEUTZ-FAHR Lamborghini edition boasts a distinctive white colour scheme and comes ready configured with all the technical, functional and style options which set a machine apart as the top of the line.

The new DEUTZ-FAHR Lamborghini edition of tractors takes the classic concept of 'full-optional' even further to become what we like to call 'Bull-optional': an explosive blend of quality, technology, efficiency and style. An Over the Top edition.





# HIGHLIGHTS

The new Lamborghini special edition powered by DEUTZ-FAHR is an explosive blend of quality, technology, efficiency and style, characterised by\*:

## COMFORT

- > Synthetic leather seat
- > Premium sound system 4.1
- > Adjustable mobile phone and tablet holders
- > Visibility package
- > Removable cooling box
- > Link balls holder
- > Additional toolbox

## TECHNOLOGY

- > LED lights and cab ambience lights
- > Additional carbon air filters
- > Battery electric circuit with positive pole for jump start
- > Michelin tires
- > Rear lower soundproof/Low-E glass

## DESIGN

- > Special white Lamborghini Trattori coloring and bicolor bonnet
- > Cab floor mat with Lamborghini Trattori branding
- > Lamborghini Trattori decals
- > Front fenders with footboards and logo
- > Illuminated push button panels on fender

\*depending on model and equipment some options might differ.



# // FRONT LOADER

Born to load.

The great manoeuvrability due to huge steering angles, an excellent external field of view, axles with powerful load-bearing capacity, FOPS type approval, a finely adjustable PowerShuttle, the presence of Stop&Go (on models with RCshift) or PowerZero (on models with TTV transmission), EasySteer function, built-in joystick control and the availability of powerful hydraulic systems that can deliver up to 210 l/min of oil with Load Sensing pumps mean the Series 6 is ideal for use with a front loader. Which is why the engineers, who designed the Series 6 have also integrated different front loader models specifically dedicated to this tractor family, to satisfy all customer needs. Quick to connect and disconnect, ProfiLine front loaders are made from special steels to guarantee great stability, reduced weight and maximum torsional stiffness all at the same time. The lifting arm consists of a single block and all of the control bars are installed inside the trusses, while all of the hydraulic lines are well protected and positioned below the weight-bearing beam. They can lift up to 4150 kg to heights that reach 4.9 metres. In addition to the specially designed front loaders, Series 6 machines can be requested with four different set-ups for the loaders. These range from the Light Kit, a simple mechanical set-up that provides the support frame for the loader, to the Ready Kit, which includes the Hydro-Fix rapid connector (with built-in electrical and hydraulic connections) and dedicated distributors with electronic or mechanical control. To facilitate the use of the front loader, DEUTZ-FAHR also offers a large selection of rear ballasts.

SERIES 6 TTV	FZ48-42	FZ48-37	FZ48-33	FZ46-33	FZ46-29	FZ46-26	FZ43-34	FZ43-30	FZ43-27
6190-6210-6230-6230 HD	•	•	•	•					
6160-6170-6180				•	•	•			
SERIES 6 Powershift/ RCshift									
6210-6230	•	•	•			•			
6160-6170-6180-6190				•	•	•	•	•	•

## HIGHLIGHTS

- > Different Front-Loader kits to serve every customer need
- > Hydro-Fix rapid connector including electronic connectors
- > High visibility roof with FOPS type approval
- > Joysticks specifically designed for use with the front loader
- > Stop&Go (RCshift) or PowerZero (TTV) function
- > PowerShuttle hydraulic reverse shuttle with 5 adjustable settings

> The high visibility roof provides the operator with a great view.





> The new ProfiLine front loaders integrate all the hydraulic lines inside the beam rail to ensure they are well protected and the driver has a clear view.



# // ULTIMATE ACTIVE AND PASSIVE SAFETY

Work in peace of mind.

In order to be productive the operator needs to have complete control over the vehicle, whether on the field or on the road, at high speeds or on unstable terrain. To maximise the safety of the vehicle the Series 6 responds to this need with an excellent external field of view in all conditions, thanks to its large mirrors, windows, powerful lighting and the availability of external cameras. In addition, the new front axles, with their high load-bearing capacity, and the intelligent adaptive suspension system provide the Series 6 with ultimate stability

and comfort, both during the most challenging towing operations and when moving heavy loads. The ASM system automatically manages the electro-hydraulic dis/engagement of the 100% differential-locks and the front wheel drive. The innovative suspension concept stabilises the tractor during all transport operations and boosts driving safety. To optimise comfort under all working conditions, the operator can choose from three different settings for the suspension behaviour. Hydraulic, pneumatic or a combination of both trailer



> Front suspended axle with 100% front differential lock.



> Electronic Park Brake (EPB) on TTV models.



> The optional dry disc brakes for 6210 and 6230 models offer exceptional stopping power.



> XLargeVision mirrors for excellent visibility.



## HIGHLIGHTS

- > XLarge rear vision mirrors and internal mirror package
- > Axles with new suspension concept and high admissible loads
- > Optional engine brake for wear-free braking and additional e-Visco fan activation for TTV models
- > Electronic park brake available
- > Optional dry disc brakes for 6210 and 6230 models for precise and strong braking power
- > Maximum speed of 50 kph for all models

braking systems are available and allow the connection of any type-approved trailer. To further increase safety and driving comfort, the pneumatic braking system includes on TTV models an aTBM (advanced trailer brake management) function, which optimises the braking of the trailer as well as providing feedback on the condition of the brakes. The aTBM function is patented and improves safety when decelerating with trailers. For contractors or municipalities which work primarily on the

road, the Series 6 is available in an orange body colour for enhanced visibility. In addition, the models can be fitted with municipal tires, which offer better traction and show less wear with a high proportion of road use.



# // SDF Smart

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





# Farming Solutions





# // AGRICULTURE 4.0: FULLY CONNECTED


Series 6 tractors offer class leading technology, enabling you to do your work with even more intelligent solutions.

DEUTZ-FAHR tractors deliver unparalleled technology that optimises your work processes for maximum efficiency. With advanced automated guidance you will enjoy increased productivity, comfort, and reduced time effort. This sophisticated automation helps to avoid overlapping, saves fuel, reduces component wear, and minimises the use of production tools. You have the option to customise your tractor with reliable auto guidance and telemetry systems tailored to your specific needs. With intelligent solutions, you can map application data and make informed decisions to improve your operation. DEUTZ-FAHR also makes it easy to interact between the office and machinery with its user-friendly connectivity solutions.

The SDF Fleet Management suite puts the user in total control of the Series 6 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 your machines.

## HIGHLIGHTS

- > iMonitor 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 SR20 GNSS receiver for superior precision
- > Wide number of ISOBUS functions like automatic Section Control with up to 255 sections and, exclusive on TTV models, tractor implement management (TIM)
- > SDF Data Management for reliable data exchange between tractor and office
- > SDF Fleet Management for remote control of machine data



> With XTEND it is possible to control implements with ISOBUS UT while being outside of the cab.





> With the automatic section control and a sprayer with single nozzle control, it is possible to save phytosanitary agents. The automatic section control with up to 255 sections is a standard function in the iMonitor.

> SDF Guidance, in combination with ComforTip<sup>®</sup> and AUTO-TURN, ensures that the tractor operates fully automatically, managing all in-field and headland operations based on pre-set boundaries. This system relieves the driver and ensures maximum comfort.

# // iMonitor

## An innovative terminal putting the driver in full control of the machine.

The iMonitor 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. 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. Everything is accessible from a single controller interface. Support functions such as quick guides and icon tooltips combined with a clear menu structure, ensure simple, intuitive usage. If the operator still has any doubts on the functions of the interface, these can be eliminated quickly by using the Remote Support function. iMonitor 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 additional functions and thus also increase the user experience - such as the XTEND function, which allows the screen to be projected onto external tablets.

### SDF Guidance

Modern autoguidance systems not only improve productivity by reducing driver's fatigue, 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 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, in combination with the CTM module 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 control all compatible implements from a single monitor (UT Universal Terminal). The iMonitor 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 255 sections (TC-SC) and processing application maps (TC-GEO).

### TRACTOR IMPLEMENT MANAGEMENT (TIM)

The TTV models of the Series 6 offer TIM. TIM allows a bi-directional communication between tractor and implement. TIM 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. Each Series 6 TTV model comes with a complimentary 50-hour TIM trial, giving you the opportunity to experience seamless implement integration and enhanced precision at no cost.



> The Series 6 is AEF certified for various features and the TTV models are already TIM ready.



> Within easy reach: the iMonitor 8" installed on models with MaxiVision and MaxiVision+ cab.





- > 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.



- > On models with MaxiVision<sup>Pro</sup> the iMonitor can also be comfortably operated with the MMI control element.

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

Optimised operations, increased efficiency, linked machines to the office and to any other external source simplifies various workflows. SDF Smart Farming Solutions offers practical answers 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, which allows users to analyse, monitor and optimise the use 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 the iMonitor remotely after drivers permission to assist for eventual upcoming operational questions or issues.

### SDF Data Management

Efficient Data Management is becoming increasingly important to optimise 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.

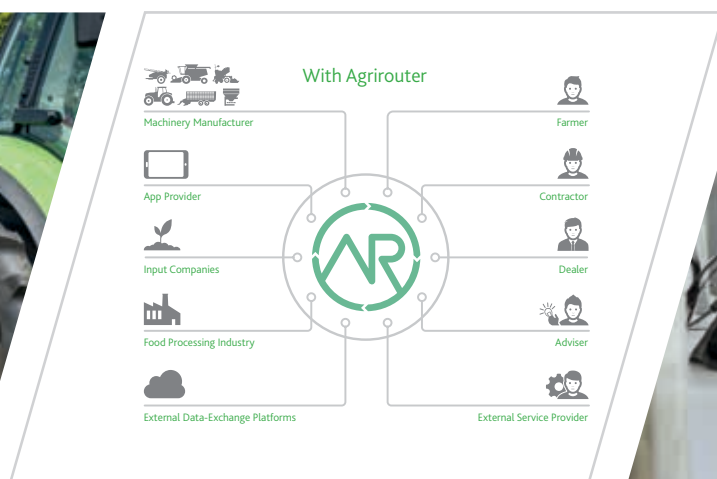


Agrirouter is a universal platform permitting reliable and neutral data exchange between a wide variety of different terminals and applications. The platform simplifies data exchange and, therefore, work processes, reduces office workload and improves economic efficiency, freeing up valuable time for 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 such as Farm Management Information Systems (FMIS) and agricultural software applications from different manufacturers. Each user can create a free personal Agrirouter account and configure it individually. 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 the necessary hardware from factory, existing DEUTZ-FAHR tractors can be retrofitted subsequently with the required components.



> SDF Fleet Management enables access to machine-relevant data at any time.





> The Agrirouter enables communication between different applications and ensures reliable data exchange.



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

# // MAINTENANCE AND SERVICE

## Long intervals and easy handling.

With the Series 6 DEUTZ-FAHR offers a bunch of smart solutions that simplify tractor maintenance and extend service intervals.

- The level of coolant fluid and transmission oil is immediately visible thanks to sight glasses
- A practical cap on the right provides access to the battery and offers a rapid connection for external power supply
- The cab's external air filters and circulating air filter are easily accessible
- Regular cleaning of the cooling system, the cab and filters is easy with the optional air hose and air gun in the toolbox on the tank
- The generously sized lightweight aluminium radiator pack are easy to maintain and clean
- Long 1000 h engine oil change interval
- Up to 2000 h CleanOil and transmission oil change interval (on models 6190-6230 TTV)

DEUTZ-FAHR tractors are traditionally machines which are easy to maintain. Extended service intervals and easy access to all maintenance points increase the overall economic efficiency of every single model. The Series 6 tractors not only follow this tradition but offer further improvements. Besides the manufacturer's warranty, an additional SDF ExtraCare warranty is available for the Series 6, which extend the coverage to 3 years/3000 hours or 5 years/5000 hours of operation.



> All models are equipped with a PowerCore air filter for a long service life.



> Easy bonnet opening and Coolant tank.



> Easy oil sight glass on the rear of the tractor.





- > Easy access to radiator package and air hose and air gun integrated for quick cleaning.



- > Large fuel tank, air supply port and entrance light button between the steps for best accessibility.



- > Toolbox and battery jump port conveniently placed on right side (Large CleanOil tank on TTV models).

TECHNICAL DATA		SERIES 6 POWERSHIFT					
		6160	6170	6180	6190	6210	6230
ENGINE							
Model		TCD 6.1					
Emission level		EPA					
Cylinders/Displacement	n°/cc	6/6057					
Turbocharger with charge air cooling		●					
Visco cooling fan		●					
Injection @ pressure	Type/bar	Common Rail @ 1600					
Max. power (ECE R120)	kW/HP	119/161	126/171	133/181	141/192	159/216	159/217
Max. power with Boost (ECE R120)	kW/HP	126/171	-	141/192	-	-	169/230
Power at rated speed (ECE R120)	kW/HP	114/155	120/163	128/174	132/179	145/197	150/204
Speed at maximum power	rpm	1900					
Max. engine speed (rated)	rpm	2100					
Max. torque with Boost	Nm	709	-	796	-	-	891
Max. torque	Nm	698	727	772	821	849	
Speed at maximum torque	rpm	1500					
Air filter with dust ejector		●					
Fuel tank capacity	l	350				410	
AdBlue capacity	l	29				29	
Oil change interval	Hours	1000 (or 2 years)					
TRANSMISSION							
Model		Powershift transmission					
Transmission ratio		1.3232		1.3316	1.3274		
PowerShuttle with 5 different settings		●					
Gearbox	n°	5 ranges with 6 Powershift stages each (forward)					
N° of speed without creeper	n°	30+15					
N° of speed with creeper (OPT)	n°	54+27					
Driving modes		Manual/APS (if equipped)					
Speed-Matching		●					
Powershift proportional valves (SenseShift)		●					
Automatic Powershift (APS)		○					
Minimal speed with creeper @ 1000 rpm	km/h	0.17		0.18			
Top speed 40 km/h	rpm	1575 SuperECO		1490 SuperECO			
Top speed 50 km/h	rpm	1969 ECO		1863 ECO			
HYDRAULICS AND LINKAGE							
Pump flow (STD)	l/min	84 Open Centre pump			120 Load Sensing pump		
Pump flow (OPT)	l/min	120/160 Load Sensing pump			160 Load Sensing pump		
Hydraulic oil takeout	l	up to 40 l					
Spool valves controls	Type	Mechanical or Mixed					
Hydraulic auxiliary control valves (mechanical)	n°	2 or 4					
Hydraulic auxiliary control valves (mixed)	n°	2 mechanical and 2 electrical					
Power Beyond		○ (standard couplers or flat couplers)					
Automatic lower link stabilisers		○					
Rear linkage lifting capacity (STD)	kg	6200					
Rear linkage lifting capacity (OPT)	kg	9700					
External operation on rear fenders		●					
Front linkage efficient lifting capacity (OPT)	kg	3800					
Front linkage lifting capacity (OPT)	kg	4110			5450		
Hydraulic upper links		○					
PTO							
Rear PTO speeds		540/540ECO/1000/1000ECO					
Front PTO speeds		1000/1000ECO DualSpeed PTO/1000 PTO/1000ECO PTO					
Auto PTO		●					
AXLES AND BRAKES							
Suspended front axle		○				●	
Electro-hydraulic Diff. Lock 100%		○			●		
ASM system		○			●		
Brakes for front axle (OPT)		Internal wet disc brakes				External dry disc brakes	
Performance steering ready with EasySteer function		○					
Brake booster (PowerBrake)		●					
Mechanical parking brake		●					
Pneumatic trailer brake		○					
Hydraulic trailer brake		○					
Engine Brake		○					



TECHNICAL DATA		SERIES 6 POWERSHIFT					
		6160	6170	6180	6190	6210	6230
ELECTRICAL SYSTEM							
Voltage	V				12		
Standard battery	V/Ah				12/180		
Alternator	V/A				14/200		
Starter motor	V/kW				12/3.1		
External socket					○		
Interface for attachments ISO11786 (7-pole)					○		
MAXIVISION CAB							
Cab					MaxiVision/MaxiVision+		
Mechanical cab suspension			○			●	
Pneumatic cab suspension				○			
XLarge Vision telescopic rear mirrors with courtesy LED				○			
XLarge Vision telescopic rear mirrors with courtesy LED, heating and electronic adjustment				○			
Air conditioning				●			
Automatic A/C system				○			
High visibility roof				○			
High visibility roof FOPS				○			
Powershift gear lever with ComfortClutch button				●			
iMonitor with 8"				○			
AUTO-TURN				○			
XTEND				○			
ISOBUS (with rear, front and in-cab connectors)				○			
VRC (Variable Rate Control)				○			
SC (Section Control) 255 sections				○			
SR20 RTK receiver				○			
CTM connectivity module				○			
Attachment brackets for tablet and smartphone				○			
Seat Max-Comfort, air suspension, adjustable seat position, pneumatic lumbar support, swivel				●			
Seat Max-Dynamic DDS XL, air suspension with dynamic damping, adjustable seat position, pneumatic lumbar support, swivel				○			
Seat Max-Dynamic Evo DDS XXL, synthetic leather, air suspension with dynamic damping, adjustable seat position, pneumatic lumbar support, swivel and active climate				○			
Passenger seat				●			
Pre-arrangement for radio with antenna and loud speakers				●			
High-level DAB+ Radio with Bluetooth				○			
4.1 premium sound system with High-level DAB+ Radio with Bluetooth and hands-free function				○			
Removable cooling box				○			
8x Halogen work lights on cab roof				●			
Up to 23x LED work lights				○			
Up to 2x Beacon lights LED				○			
LED driving lights				○			
iLock/AntiTheft function				●			
FRONT LOADER							
Pre-arrangement Light Kit				○			
Pre-arrangement Ready Kit				○			
Front loader model		FZ46-33   FZ46-29   FZ46-26   FZ43-34   FZ43-30   FZ43-27				FZ48-42   FZ48-37 FZ48-33   FZ46-26	

● = standard ○ = option – = not available

TECHNICAL DATA		SERIES 6 RCSHIFT					
		6160	6170	6180	6190	6210	6230
ENGINE							
Model		TCD 6.1					
Emission level		EPA					
Cylinders/Displacement	n°/cc	6/6057					
Turbocharger with charge air cooling		●					
Visco cooling fan		●					
Injection @ pressure	Type/bar	Common Rail @ 1600					
Max. power (ECE R120)	kW/HP	119/161	126/171	133/181	141/192	159/216	159/217
Max. power with Boost (ECE R120)	kW/HP	126/171	-	141/192	-	-	169/230
Power at rated speed (ECE R120)	kW/HP	114/155	120/163	128/174	132/179	145/197	150/204
Speed at maximum power	rpm	1900					
Max. engine speed (rated)	rpm	2100					
Max. torque with Boost	Nm	709	-	796	-	-	891
Max. torque	Nm	698	727	772	821	849	849
Speed at maximum torque	rpm	1500					
Air filter with dust ejector		●					
Fuel tank capacity	l	350				410	
AdBlue capacity	l	29				29	
Oil change interval	Hours	1000 (or 2 years)					
TRANSMISSION							
Model		Robotised RCshift transmission					
Transmission ratio		1.3232		1.3316		1.3274	
PowerShuttle with 5 different settings		●					
Gearbox	n°	5 ranges with 6 Powershift stages each (forward)					
N° of speed with creeper (in base)	n°	54+27					
Driving modes		Manual/Semi Auto/Auto					
Stop&Go		● (in Semi Auto/Auto mode)					
Speed-Matching		●					
Powershift proportional valves (SenseShift)		●					
Automatic Powershift APS		●					
Minimal speed with creeper @ 1000 rpm	km/h	0.17			0.18		
Top speed 40 km/h	rpm	1224 UltraECO			1158 UltraECO		
Top speed 50 km/h	rpm	1530 SuperECO			1447 SuperECO		
HYDRAULICS AND LINKAGE							
Pump flow (STD)	l/min	84 Open Centre pump			120 Load Sensing pump		
Pump flow (OPT)	l/min	120/160 Load Sensing pump			160 Load Sensing pump		
Hydraulic oil takeout	l	up to 40 l					
Spool valves controls	Type	Mechanical, Mixed or fully Electric					
Hydraulic auxiliary control valves (Mechanical)	n°	2 or 4					
Hydraulic auxiliary control valves (Mixed)	n°	2 mechanical and 2 electrical					
Hydraulic auxiliary control valves (Electric)	n°	2, 4 or 5					
Power Beyond		○ (standard couplers or flat couplers)					
Automatic lower link stabilizers		○					
Rear linkage lifting capacity (STD)	kg	6200					
Rear linkage lifting capacity (OPT)	kg	9700					
External operation on rear fenders		●					
Front linkage efficient lifting capacity (OPT)	kg	3800					
Front linkage lifting capacity (OPT)	kg	4110		5450			
Hydraulic upper links		○					
PTO							
Rear PTO speeds		540/540ECO/1000/1000ECO					
Front PTO speeds		1000/1000ECO DualSpeed PTO/1000 PTO/1000ECO PTO					
Auto PTO		●					
AXLES AND BRAKES							
Suspended front axle		○				●	
Electro-hydraulic Diff. Lock 100%		○			●		
ASM system		○			●		
Brakes for front axle (OPT)		Internal wet disc brakes				External dry disc brakes	
Performance steering ready with EasySteer function		○					
Brake booster (PowerBrake)		●					
Mechanical parking brake		●					
Pneumatic trailer brake		○					
Hydraulic dual mode trailer brake		○					
Engine Brake		○					



TECHNICAL DATA		SERIES 6 RCSHIFT					
		6160	6170	6180	6190	6210	6230
ELECTRICAL SYSTEM							
Voltage	V				12		
Standard battery	V/Ah				12/180		
Alternator	V/A				14/200		
Starter motor	V/kW				12/3.1		
External socket					○		
Interface for attachments ISO11786 (7-pole)					○		
MAXIVISION CAB							
Cab					MaxiVision/MaxiVision <sup>+</sup> /MaxiVision <sup>Pro</sup>		
Mechanical cab suspension			○			●	
Pneumatic cab suspension				○			
XLarge Vision telescopic rear mirrors with courtesy LED				○			
XLarge Vision telescopic rear mirrors with courtesy LED, heating and electronic adjustment				○			
Air conditioning				●			
Automatic A/C system				○			
High visibility roof				○			
High visibility roof FOPS				○			
MaxCom joystick				●			
Multifunction satellite armrest with two thumbwheels for electro-hydraulic spool valves on MaxCom joystick				● (base for MaxiVision <sup>+</sup> equipment)			
Full multifunction armrest with comfortable finger tip controls for electro-hydraulic spool valves				● (base for MaxiVision <sup>Pro</sup> equipment)			
iMonitor with 8"				○			
iMonitor with 12"				○ (option for MaxiVision <sup>Pro</sup> equipment)			
AUTO-TURN				○			
XTEND				○			
ISOBUS (with rear, front and in-cab connectors)				○			
VRC (Variable Rate Control)				○			
SC (Section Control) 255 sections				○			
SR20 RTK receiver				○			
CTM connectivity module				○			
Attachment brackets for tablet and smartphone				○			
ComforTip Professional (only with iMonitor)				○			
Seat Max-Comfort, air suspension, adjustable seat position, pneumatic lumbar support				●			
Seat Max-Dynamic DDS XL, air suspension with dynamic damping, adjustable seat position, pneumatic lumbar support				○			
Seat Max-Dynamic Evo DDS XXL, synthetic leather, air suspension with dynamic damping, adjustable seat position, pneumatic lumbar support, active climate				○			
Passenger seat				●			
Pre-arrangement for radio with antenna and loud speakers				●			
High-level DAB+ Radio with Bluetooth				○			
4.1 premium sound system with High-level DAB+ Radio with Bluetooth and hands-free function				○			
Removable cooling box				○			
8x Halogen work lights on cab roof				●			
Up to 23x LED work lights				○			
Up to 2x Beacon lights LED				○			
LED driving lights				○			
iLock/AntiTheft function				●			
FRONT LOADER							
Pre-arrangement Light Kit and Light Kit Plus				○			
Pre-arrangement Intermediate Kit				○			
Pre-arrangement ISOBUS loader				○			
Front loader model		FZ46-33   FZ46-29   FZ46-26   FZ43-34   FZ43-30   FZ43-27				FZ48-42 / FZ48-37 FZ48-33 / FZ46-26	

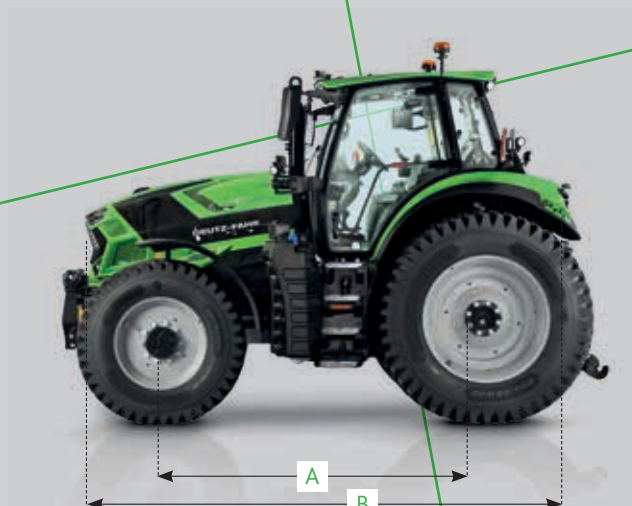
● = standard ○ = option – = not available

TECHNICAL DATA		SERIES 6 TTV						
		6160	6170	6180	6190	6210	6230	6230 HD
ENGINE								
Model		TCD 6.1						
Emission level		EPA						
Cylinders/Displacement	n°/cc	6/6057						
Turbocharger with charge air cooling		●						
e-Visco cooling fan		●						
Injection @ pressure	Type/bar	Common Rail @ 1600						
Max. power (ECE R120)	kW/HP	119/161	126/171	133/181	141/192	159/216	169/230	
Max. power with Boost (ECE R120)	kW/HP	126/171	-	141/192	-	-	-	
Power at rated speed (ECE R120)	kW/HP	114/155	120/163	128/174	141/191	146/197	165/225	
Speed at maximum power	rpm	1900						
Max. engine speed (rated)	rpm	2100						
Max. torque with Boost	Nm	709	-	796	-			
Max. torque	Nm	698	727	772	821	849	970	
Speed at maximum torque	rpm	1500						
Air filter with dust ejector		●						
Fuel tank capacity	l	350			420			505
AdBlue capacity	l	29						35
Oil change interval	Hours	1000 (or 2 years)						
TRANSMISSION								
Model		TTV - Stepless transmission						
Transmission ratio		1.3228		1.3332	1.3350			1.3584
PowerShuttle with 5 different settings		●						
Driving modes		Auto/Advanced-Auto/PTO/Manual						
Top speed 40 km/h	rpm	1359		1290	1195			1199
Top speed 50 km/h	rpm	1698		1613	1494			1499
Cruise Control	qty	2+2						
Active standstill (PowerZero)		●						
HYDRAULICS AND LINKAGE								
Pump flow (STD)	l/min	120						
Pump flow (OPT)	l/min	160						160, 210
Hydraulic oil takeout	l	Up to 60 l						Up to 90 l
Spool valves controls	Type	Mixed or fully electric			Fully electric			
Hydraulic auxiliary control valves (Mixed)	n°	2 mechanical and 2 electrical			-			
Hydraulic auxiliary control valves (Electric)	n°	3, 4 or 5			4 or 5			
Power Beyond		○ (standard couplers or flat coupler)						
Automatic lower link stabilisers (mechanical)		●						
Self-locking hydraulic stabilisers		-			○			
Rear linkage lifting capacity (STD)	kg	6200			9200			10000
Rear linkage lifting capacity (OPT)	kg	9700			-			
External operation on rear fenders		●						
Front linkage "efficient" lifting capacity (OPT)	kg	3800			-			
Front linkage lifting capacity (OPT)	kg	4110			5450			
Hydraulic upper links		○						
PTO								
Rear PTO speeds		540/540ECO/1000/1000ECO			540/540ECO/1000/ or 540ECO/1000/1000ECO			
Front PTO speeds		1000/1000ECO DualSpeed PTO/1000 PTO/1000ECO PTO						
Auto PTO		●						
AXLES AND BRAKES								
Suspended front axle with 100% Diff. Lock.		○			●			
Electro-hydraulic engagement 4WD		●						
ASM system		○			●			
Brakes for front axle (OPT)		Internal wet disc brakes				External dry disc brakes		
EasySteer function		○						
Electronic Parking Brake (EPB)		●						
Pneumatic trailer brake		○						
Hydraulic trailer brake		○						
EngineBrake <sup>Plus</sup>		○						



TECHNICAL DATA		SERIES 6 TTV					
		6160	6170	6180	6190	6210	6230 6230 HD
ELECTRICAL SYSTEM							
Voltage	V				12		
Standard battery	V/Ah				12/180		
Alternator	V/A				14/200		
External socket					●		
Interface for attachments ISO11786 (7-pole)					○		
MAXIVISION CAB							
Cab		MaxiVision <sup>+</sup> /MaxiVision <sup>Pro</sup>			MaxiVision <sup>Pro</sup>		
Mechanical cab suspension					●		
Pneumatic cab suspension					○		
Xlarge Vision telescopic rear mirrors with courtesy LED					●		
Xlarge Vision telescopic rear mirrors with courtesy LED, heating and electronic adjustment					○		
Air conditioning					●		
Automatic A/C system					○		
High visibility roof					○		
High visibility roof FOPS					○		
MaxCom joystick					●		
Multifunction armrest with additional operation elements for electro-hydraulic spool valves					●		
Multifunction satellite armrest with two thumbwheels for electro-hydraulic spool valves on MaxCom joystick		●	(base MaxiVision <sup>+</sup> equipment)			-	
Full multifunction armrest with comfortable finger tip controls for electro-hydraulic spool valves					●	(base MaxiVision <sup>Pro</sup> equipment)	
iMonitor with 8"					○		
iMonitor with 12"					○		
AUTO-TURN					○		
XTEND					○		
ISOBUS connectors					○		
TIM (Tractor Implement Management)					○		
VRC (Variable Rate Control)					○		
SC (Section Control) 255 sections					○		
SR20 RTK receiver					○		
CTM connectivity module (depending on region in base equipment)					○		
Attachment brackets for tablet and smartphone					○		
ComforTip Professional (only with iMonitor)					○		
Seat Max-Comfort, air suspension, automatic weight adjustment, adjustable seat position, pneumatic lumbar support, backrest extension)					●		
Seat Max-Dynamic DDS XL, air suspension with dynamic damping, adjustable seat position, pneumatic lumbar support					○		
Seat Max-Dynamic Evo DDS XXL, synthetic leather, air suspension with dynamic damping, adjustable seat position, pneumatic lumbar support, backrest extension, active climate					○		
Passenger seat					●		
Pre-arrangement for radio with antenna and loud speakers					●		
High-level DAB+ Radio with Bluetooth					○		
4.1 premium sound system with High-level DAB+ Radio with Bluetooth					○		
Removable cooling box					○		
8x Halogen work lights on cab roof					●		
Up to 23x LED work lights					○		
Up to 2x Beacon lights LED					○		
Driving lights (LED)					○		
FRONT LOADER							
Pre-arrangement Light Kit Plus					○		
Pre-arrangement Intermediate Kit					○		
Pre-arrangement Ready Kit					○		
Pre-arrangement ISOBUS loader					○		
Front loader model		FZ46-33/FZ46-29/FZ46-26			FZ48-42/FZ48-37/FZ 48-33/FZ46-33		

● = standard ○ = option -- = not available

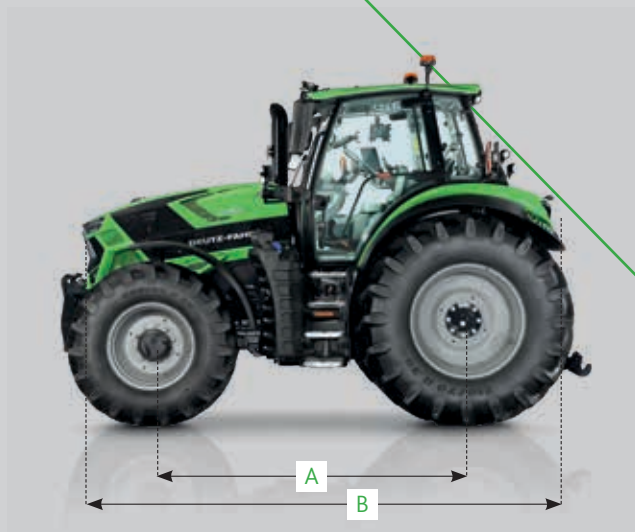


TECHNICAL DATA		SERIES 6 POWERSHIFT/RCSHIFT					
		6160	6170	6180	6190	6210	6230
DIMENSIONS AND WEIGHTS							
Front tyres (min.)		420/85 R24"		480/70 R28"			
Rear tyres (min.)		520/70 R38"		580/70 R38"			
Front tyres (max.)		600/60 R28"		600/60 R30"			
Rear tyres (max.)		710/60 R38"		710/60 R42"			
Wheelbase (A)	mm	2767				2848	
Length (B)	mm	4347-5712				4478-5793	
Height (max.) (C)	mm	2932-3153					
Width (max.) (D)	mm	2285-2720					
Ground clearance	mm	365-465		465-515			
Front axle width (flange to flange, no brakes)	mm	1850			1780	1780 or 1940	1940
Rear axle width (flange to flange)	mm	1720		1890			
Unladen weight, front	kg	2690-3340				3150-3790	
Unladen weight, rear	kg	4470-4510				4740-4780	
Total unladen weight	kg	7200-8100				7930-8550	
Wheel weights		○					
Maximum permissible axle load, front	kg	5000		5200			6000
Maximum permissible axle load, rear	kg	8400		9200			
Maximum permissible weight	kg	11500		12500		13500	

Technical data and figures are only provided for guidance. DEUTZ-FAHR is committed to continuously adapting its products to your requirements and therefore reserves the right to make updates without prior notice.

Models and options may vary depending on the market. Please contact your dealer/distributor for more information.





TECHNICAL DATA		SERIES 6 TTV					
		6160	6170	6180	6190	6210	6230 6230 HD
DIMENSIONS AND WEIGHTS							
Front tyres (min.)		420/85 R24			420/85 R28		420/85 R30
Rear tyres (min.)		520/70 R38			520/85 R38		480/80 R46
Front tyres (max.)		600/60 R28	600/60 R30		600/65 R28		600/65 R30
Rear tyres (max.)		710/60 R38	710/60 R42		900/50 R42		900/60 R38
Wheelbase (A)	mm	2769				2848	2918
Length (B)	mm	4521-5448			4718-6122	4797-6201	4867-6271
Height (max.) (C)	mm	3158-3208				3250-3300	
Width (max.) (D)	mm	2350-2790				2350-3000	
Ground clearance	mm	466-516				510-560	
Front axle width (flange to flange)	mm	1850			1780	1940	
Front axle width with dry disc brakes (flange to flange)	mm		-			2046	
Rear axle width (flange to flange)	mm	1720				1890	
Unladen weight, front	kg	2810-3625	2835-3800		3465-4160	3540-4235	3640-4385
Unladen weight, rear	kg	4395-4800	4630-5040	5215-5715		5290-5790	5390-5940
Total unladen weight	kg	7205-8425	7465-8840	8680-9875		8830-10025	9030-10325
Wheel weights					○		
Maximum permissible axle load, front	kg	5000 @ 50 kph	5200 @ 50 kph			6000 @ 50 kph	
Maximum permissible axle load, rear	kg	8600 @ 50 kph	10100 @ 50 kph	10000 @ 50 kph	10000 @ 50 kph	11000 @ 50 kph	
Maximum permissible weight	kg	11500/12500* @ 50 kph	13500 @ 50 kph	14500 @ 50 kph		14500 @ 50 kph	15500 @ 50 kph


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\* 12,5 t on models with 50 kph only in combination with suspended and braked front axle

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