

# SERIES 6.4



6130.4 // 6140.4 // 6150.4 RVSHIFT / TTV  
6160.4 // 6170.4 POWERSHIFT / RCSHIFT / TTV  
STAGE V





# // SERIES 6.4

## VERSATILITY

Designed to be both compact and powerful, these machines are incredibly versatile and can handle a wide range of applications. With plenty of power, exceptional agility and an extensive selection of equipment and accessories, the new Series 6.4 is the epitome of a modern tractor - capable of excelling in working in confined spaces with the front loader, for baling activities, fast transport applications but also for heavy-duty seeding operations and demanding ploughing jobs. These all-rounders are the progenitors of a new generation of tractors, providing excellent results in any task.

## COMPACTNESS

The Series 6.4 tractors are ideal for a wide range of farming applications. With a wide steering angle, short wheelbase and excellent outward visibility, these tractors are particularly well-suited to making headland turns in restricted spaces or working with mixer trailers in cattle sheds. Whether you need to transport feed, mow fields or perform other essential tasks on your farm, the Series 6.4 tractors provide the power and manoeuvrability you need to get the job done efficiently and effectively.

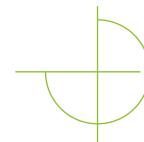


## LIGHT AND COMPACT

6130.4-6150.4 RVSHIFT/TTV

# Broad versatility.

THE DEUTZ-FAHR SERIES 6.4 STANDS OUT IN ITS CATEGORY WITH EXCELLENT TECHNICAL FEATURES, MAKING IT THE UNDISPUTED NEW POINT OF REFERENCE.



## PRODUCTIVITY

Four types of transmission variants with different levels of automation, Load Sensing hydraulic systems that can deliver up to 160 l/min, high maximum permissible weights, rear-front power lifts offering category-leading performance, functions such as Auto PTO and a groundspeed PTO are the features that make these machines the ideal solution for any task.

## 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.



## STRONG AND AGILE

6160.4-6170.4 POWERSHIFT/RCSHIFT/TTV

A perfect example of German technological excellence, the brand new Series 6.4 models span a power range that runs from 129 to 171 HP, and 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 winning quality of their components. The new series is powered by efficient 4-cylinder engines, which throb under modern bonnets that stand out for their futuristic DEUTZ-FAHR design. The various models offer a choice of four different transmissions, all featuring the widely appreciated PowerShuttle with the usual 5 levels of responsiveness which can be selected by the user, as well as maximum speeds that can be reached even with the engine at a low engine revs, helping to reduce fuel consumption and wear during transport and road transfers. In addition, the Stop&Go (RVshift and RCshift models) or PowerZero (TTV models) functions also contribute to making work easier with the front loader attached. 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 160 l/min and power up to 5 rear distributors, makes these machines ideal for day-to-day activities, while the impressive rear lifts make them suitable for working with any equipment. The superb technological features of the Series 6.4 make this the perfect choice for any operator who needs a machine capable of tackling a wide variety of tasks, from soil preparation and hay-making, general farm duties with a front loader or mixer trailer to high speed road transport, and from stationary PTO tasks to road maintenance and snow-clearing operations.

# // 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 6.4 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 6.4 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 6.4 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 4-cylinder engines.

In order to keep the wheelbase short to maximise agility, the Series 6.4 uses powerful and compact 4-cylinder engines. These engines are designed to ensure strong levels of reliability and efficiency, along with high operating economy.

The models 6130.4, 6140.4, and 6150.4 are powered by the brand-new FARMotion 45 engines, which provide a power range of up to 156 HP and deliver high 663 Nm of torque at the lowest RPM. On the other hand, the models 6160.4 – 6170.4 are driven by the well-known TCD 4.1 engines, which enable power ranges of up to 171 HP and up to 699 Nm of torque.

Both engines utilise high-pressure injection systems with fully electronically-controlled Common-Rail layouts. These systems guarantee a swift response to load variations, thanks to their exceptional and consistent power and torque values. Moreover, they ensure optimal diesel combustion, resulting in reduced fuel consumption and noise levels, among other benefits.

The models boast numerous exceptional technical features. These include turbochargers equipped with waste-gate valves or VTG variable geometry, hydraulic valve tappets, electronically-controlled viscous fans (on 6130.4 - 6150.4), and an advanced exhaust after-treatment package. The package includes a maintenance-free DOC catalytic converter, a passive-type particulate filter offering faster regeneration without the need for additional diesel injection, and a cutting-edge SCR catalytic converter.

All these components are meticulously designed to minimise diesel and AdBlue consumption while meeting the stringent Stage V requirements.

With both engine types, 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, depending on the model the tractors of the new Series 6.4 reach an oil change interval up to 1000 h.

## HIGHLIGHTS

- > Powerful 4-cylinder engines
- > High torque at already 1000 engine rpm
- > Hydraulic engine brake availability
- > Up to 1000 hour oil change interval



- > PowerCore air filter and aluminium cooling system with laterally extendable radiator grille for easy cleaning on the models 6130.4 - 6150.4.

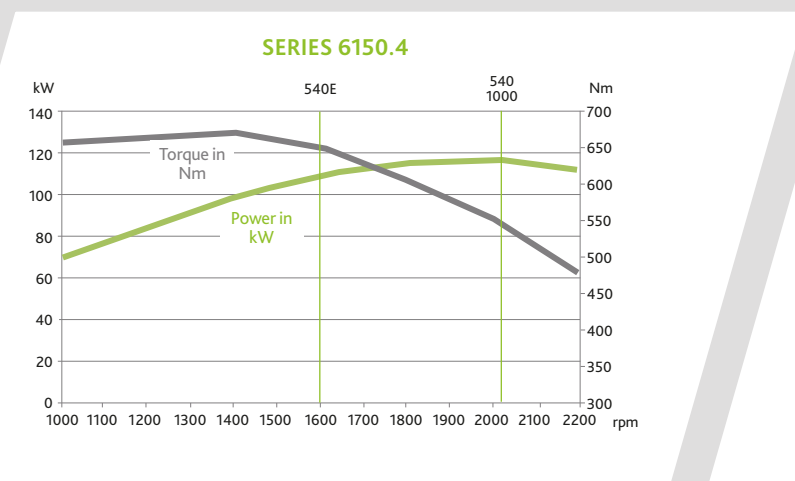


- > PowerCore air filter and aluminium cooling system with one-hand release lever allows easy opening for cleaning on the models 6160.4 - 6170.4.





- > Electronic hand throttle with two storable speed memories.



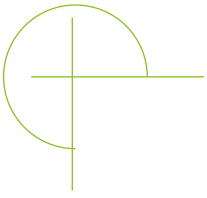
- > Optimised power and high torque curve of the FARMotion 45 engine installed on 6150.4 models.



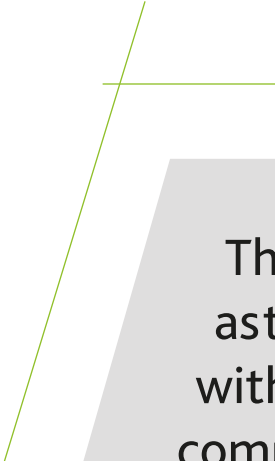
- > Cyclone pre-cleaning system for maximum service life of the PowerCore engine air filter.



- > High comfort during transport thanks to the Hydraulic Engine Brake (HEB), available on 6130.4 - 6150.4.



# // EFFICIENT



The new Series 6.4 offers astonishing efficiency with its short wheelbase, compact dimensions, and hyper-modern transmissions.



# CY



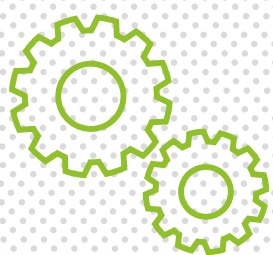
# // POWERSHIFT TRANSMISSION

Pure driving experience.

The proven Powershift version of the new Series 6.4 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.



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6170.4

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.





> Ergonomic 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

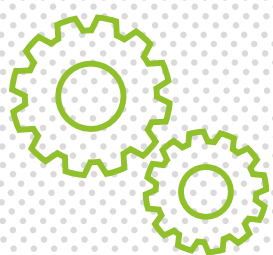
## Robotised driving.

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 10 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 1575 rpm, or 40 km/h at just 1224 rpm (engine rpm vary slightly depending on tyres), to help the operator minimise consumption and wear at all times.



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6150.4  
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6170.4

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 1224 rpm and 50 kph at only 1575 rpm (depending on the equipment).
- > Creeper speeds as standard.

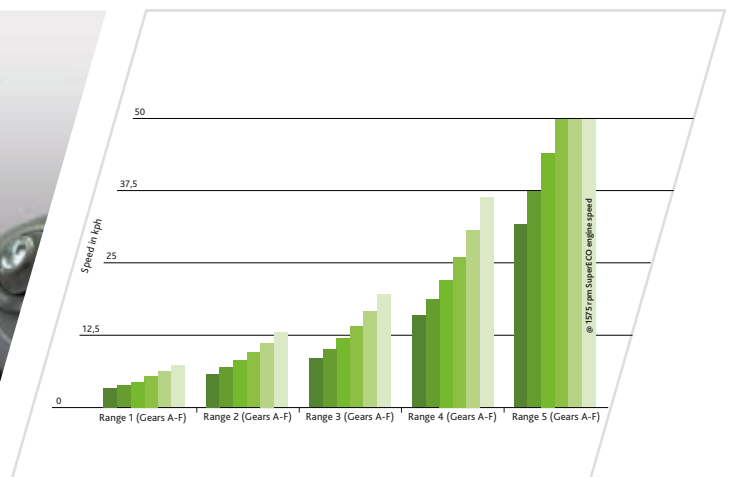


- > Ideal with front loader: on MaxiVision<sup>+</sup> cross lever includes a programmable jolly thumbwheel, for direction change or Powershift actuation.





> 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 tires size).



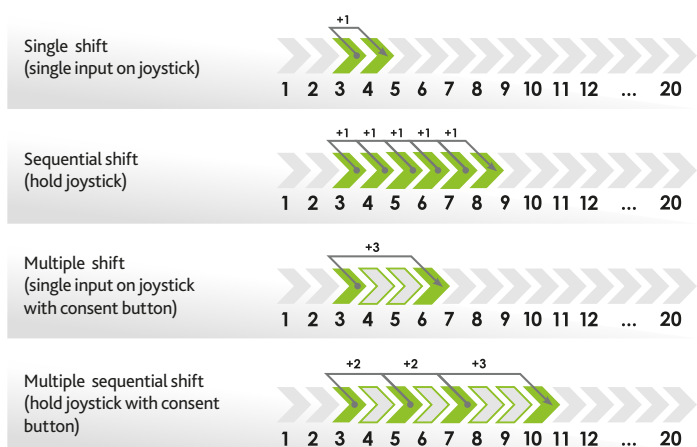
# // RVSHIFT TRANSMISSION

It's all about simplicity.

The new RVshift transmission is a high efficiency Full Powershift concept. It has 20 forward and 16 reverse gears, all of which can be selected without using the clutch pedal and without interrupting torque delivery. Developed specifically for the new Series 6.4 by DEUTZ-FAHR it stands for absolute simplicity, high efficiency and guarantees to make the tractor easy to use by anyone. The control element of the RVshift transmission is the new RVshift controller, a 3-way joystick, located on the multifunction armrest mounted onto the driver seat. Pushing it forward, the transmission performs an up-shift

while a downshift is carried out when it is pulled backwards. For added convenience the current speed can easily be stored and enabled, with a simple push of the RVshift controller to the left. For a quick switch between fast transport application and field work the RVshift transmission features two driving modes (Field and Transport). With a simple push of a button, which is located close to the RVshift controller, it is possible to switch from one mode to the other without having to shift through all the gears. The modes are pre-programmed from factory but also easily adjustable according to the individual

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6170.4



> Shift modes.



> The new RVshift transmission for 6130.4 - 6150.4.



> Advanced armrest with 3 freely programmable jolly buttons and a freely programmable jolly thumbwheel.



> Selection of Transport, Field and Creeper driving modes.



# HIGHLIGHTS

- > Advanced Armrest
- > PowerShuttle with 5 adjustable settings
- > Automatic Powershift (APS) and Cruise Control
- > Advanced Stop&Go function and optional EPB
- > Creeper with infinitely variable speeds from 20 m/h to 5 kph
- > Max. speed 50kph ECO

needs. The driver is hugely assisted during transport or field work thanks to the Automatic Powershift function (APS). After activation via the APS button the system shifts according to the load all the gears programmed in the field or road driving mode. An additional highlight of the RVshift transmission is the new advanced Stop&Go system with features in addition also a Stop&Hold function, which keeps the tractor stopped until the accelerator gets pressed again.

## Optional RVshift creeper:

For all with the need of very low working speeds the RVshift transmission offers a Creeper mode with infinitely variable speeds from 20 m/h to 5 kph. In that way, for example, a vegetable planter, a potato harvester, a stone crusher or a snow blower can be operated at it's performance limits, ensuring maximum output.



# // 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 0.02 to 50 kph. Every single detail is designed to maximise productivity, while the sophisticated controls and intuitive adjustment possibilities improve drivability. 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: a speed of 50 kph is achieved with the engine running at less than 1800 rpm for 6130.4-6150.4 models and less than 1700 rpm for 6160.4/6170.4 models. 40 kph are attainable at engine speeds below 1450 rpm for 6130.4-6150.4 models and less than 1400 rpm for 6160.4/6170.4 models. 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 (available in base on models with MaxiVision<sup>pro</sup> cab or as an option on models with MaxiVision<sup>+</sup> cab). 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.

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6170.4

## HIGHLIGHTS

- > Armrest with MaxCom joystick
- > PowerShuttle with 5 adjustable settings
- > 2 Cruise Control memories and PowerZero function
- > Electronic Parking Brake (EPB)
- > Max. speed 50kph ECO



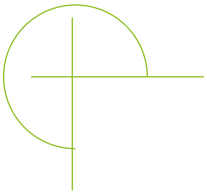
> Maximise productivity and minimise fuel consumption with super-efficient engine speeds during transport operations.






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





# // AGILITY



The new Series 6.4 tractors are agile and adapt to any equipment, 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 6.4 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 90 l/min flow rate to closed-centre systems with 120 or 160 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.



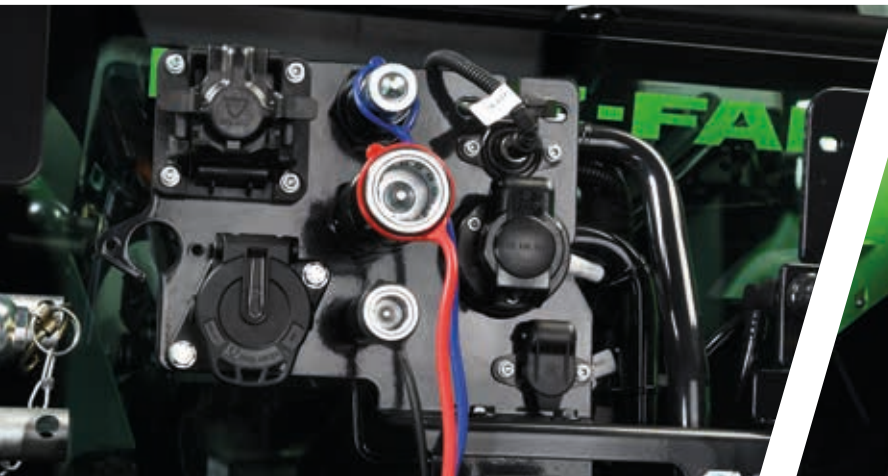


# HIGHLIGHTS

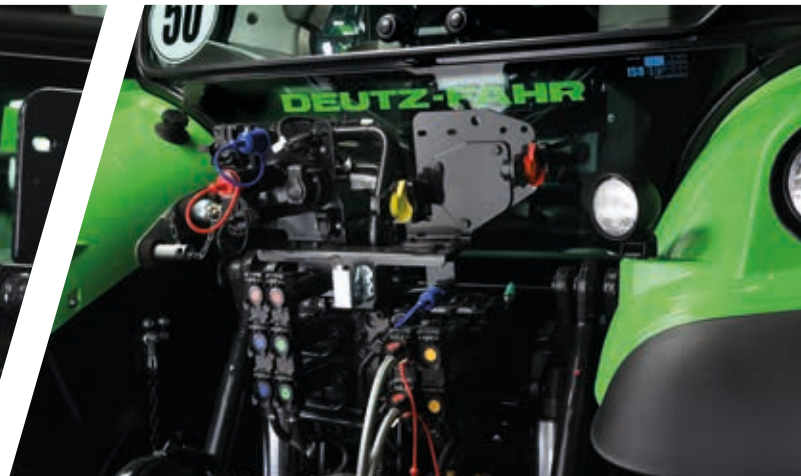
- > Ultimate configurability: from 84 l/min to 160 l/min with Load Sensing pump
- > Mechanical, electronic or mixed rear hydraulic valves configuration
- > Up to 5 rear mechanical, electric or mixed valves and Power Beyond as option
- > Up to 2 independent front hydraulic distributors

The new Series 6.4 also 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 Power Beyond coupling is also available as an option, with cutting-edge flat face 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 and PTO and, depending on the model, one spool valve.



> Up to four mechanical controls with ergonomic single lever control.



## HIGHLIGHTS

- > Up to 4 PTO speeds available
- > Optional with electronic rear speed selector
- > Independent groundspeed PTO available
- > Up to 9.7 tons rear lift capacity
- > Up to 4.1 tons front lift capacity



- > The front linkage Efficient with 3800 kg lifting capacity and integrated front PTO available on the models 6160.4 - 6170.4.



- > The robust front linkage with 3000 kg lifting capacity and integrated front PTO on the models 6130.4 - 6150.4.



# // PTO AND LIFTS

## Total power and configurability.

The new Series 6.4 has been developed with the primary goal of guaranteeing maximum versatility of use, with a view to delivering the highest performance when using any equipment. Not by chance, all models are fitted as standard with a very useful removable PTO output shaft, which allows the tractor to be adapted quickly and efficiently for use with any type of implement.

In order to ensure maximum working efficiency – even while working with implements which require very little energy – the rear PTO has several operating modes as standard which can be implemented to reach the full range of power, including 540 and 1000 rpm, with their respective ECO modes (as standard on models 6160.4 to 6170.4). The Auto PTO function is always available as standard and helps increase productivity on the field by automating the engagement and disengagement of the PTO depending on the position of the lift. At the front, meanwhile, it is possible to install the PTO 1000 or the 1000ECO as an option. For the models 6130.4 – 6150.4 the ground speed PTO is available as an option, which comes with a convenient independent output shaft.

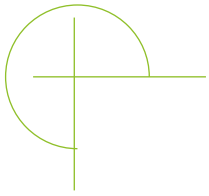
The focus right from the design stage of the rear lifts has been on ensuring that the heaviest equipment can be handled with ease. For this reason - depending on the model – the rear lift can achieve exceptional maximum lifting capacities of up to 9700 kg. An integrated damping system that compensates the oscillations produced by equipment is included as standard. Robust support for the front lift is part of the design of the new Series 6.4 and allows for equipment and ballasts to be connected quickly. The optional front lift has a maximum capacity of up to 4110 kg.



> With 3000 kg vertical load the K80 ball hitch allows to connect also heavy trailers.



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



# // 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.





# PIECE



# // 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, 3 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

RVSHIFT



RCSHIFT

TTV



## HIGHLIGHTS

- > MaxiVision for models with mechanical rear spool valves configuration
- > Mid mounted spool valves for front-lift and Comfort Package available
- > Front loader Ready Kit with mechanical cross lever available
- > Available for models with Powershift, RCshift and RVshift transmission



> MaxiVision cab equipment with full mechanical rear spool valves is available for models with RVshift transmission.





> 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, RVshift 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 ComforTip headland management - to further increase the efficiency at work.

POWERSHIFT

RVSHIFT

RCSHIFT

TTV



## HIGHLIGHTS

- > MaxiVision<sup>+</sup> for models with mixed rear spool valves configuration
- > Mid mounted spool valves for front-lift and Comfort Package available
- > Front loader Ready Kit with mechanical or electronic cross lever available
- > Available for models with Powershift, RCshift, RVshift 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\* adds not only comfort on models with RVshift 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 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 on a MaxiVision<sup>Pro</sup> cab is a pleasure!

POWERSHIFT

RVSHIFT

RCSHIFT

TTV



## HIGHLIGHTS

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



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





> To control the electric spool valves the operator can choose among the blue fingertip controls, the small joystick or the handy thumbwheels on the MaxCom joystick.

# // MAXIVISION CAB FAMILY

Highest comfort and many options for individualisation.

All the MaxiVision cabs provide a silent and comfortable work environment. Outstanding levels of ride comfort together with the premium seats and the different cab suspension systems, offered as a mechanical or a self-levelling air-suspended system, ensure comfort in every situation.

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 6.4 models can be 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.



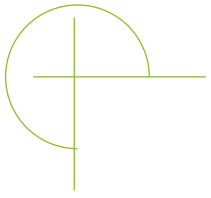
> The new 4.1 premium sound system offers a superior sound experience.











# SPECIAL E

For owners who demand  
always to stand out.

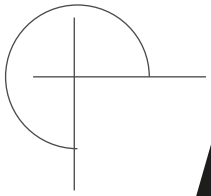




# DITIONS







# // WARRIOR EDITION

All the exclusive features of the limited edition models.

The new Series 6.4 now also offers all models 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. Depending on the model in question, the new Warrior Edition can be selected in 2 different colours. With the Warrior Edition 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.



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

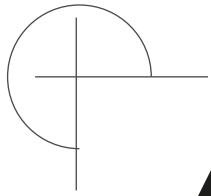




# HIGHLIGHTS

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





# 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.

DEUTZ-FAHR has great news for all those farmers who consider the seamless integration of solid, consistent technology and the appeal of unique, recognisable styling a real priority: letting them know that this dream will soon be a reality.





# 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 (only 6160.4/6170.4 models)

## 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 coloring and bicolor bonnet
- > Cab floor mat with Lamborghini Trattori branding
- > Lamborghini Trattori decals
- > Front fenders with footboards and logo (only 6160.4/6170.4 models)
- > Illuminated push button panels on fender (only 6160.4/6170.4 models)



# // FRONT LOADER

Born to load.

The great manoeuvrability due to its compact size, an excellent external field of view, axles with powerful load-bearing capacity, the availability of MaxiVision cabs with high visibility roof with FOPS type approval, a finely adjustable PowerShuttle, the presence of Stop&Go (only on models with RCshift or RVshift transmission) 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 160 l/min of oil with Load Sensing pumps mean the Series 6.4 is ideal for use with a front loader. Which is why the engineers, who designed the Series 6.4 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 3420 kg to heights that reach 4.1 metres.

In addition to the specially designed front loaders, Series 6.4 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 6.4 TTV	FZ43-30	FZ43-27	FZ41-33	FZ41-29	FZ41-25
6160.4 - 6170.4 TTV	●	●			
6130.4 - 6140.4 - 6150.4 TTV		●	●	●	●
SERIES 6.4 Powershift/RCshift/RVshift	FZ43-30	FZ43-27	FZ41-33	FZ41-29	FZ41-25
6160.4 - 6170.4 Powershift/RCshift	●	●			
6130.4 - 6140.4 - 6150.4 RVshift		●	●	●	●

## 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/RVshift) 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 ProfilLine 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 new Series 6.4 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.



> Front suspended axle with 100% front differential lock.

In addition, the new front axles, with their high load-bearing capacity, and the intelligent adaptive suspension system provide the Series 6.4 with ultimate stability and comfort, both during the most challenging towing operations and when moving heavy loads. The optional available ASM system automatically manages the electro-hydraulic 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.



> Electronic Park Brake (EPB) on RVshift and TTV models.



> Internal mirror package for improved backward visibility.



> XLargeVision mirrors for excellent visibility.



## HIGHLIGHTS

- > XLarge rear vision mirrors and internal mirror package
- > Axles with new suspension concept and high admissible loads
- > Hydraulic engine brake available to increase the engine's braking capacity by up to 40% (only on 6130.4-6150.4)
- > Electronic park brake available

Hydraulic, pneumatic or a combination of both trailer 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 RVshift and 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.

And for contractors or municipalities which work primarily on the road, the Series 6.4 is available in an orange body color for enhanced visibility. It can also be fitted with municipal tires, which offer improved performance for above-average use on the road.



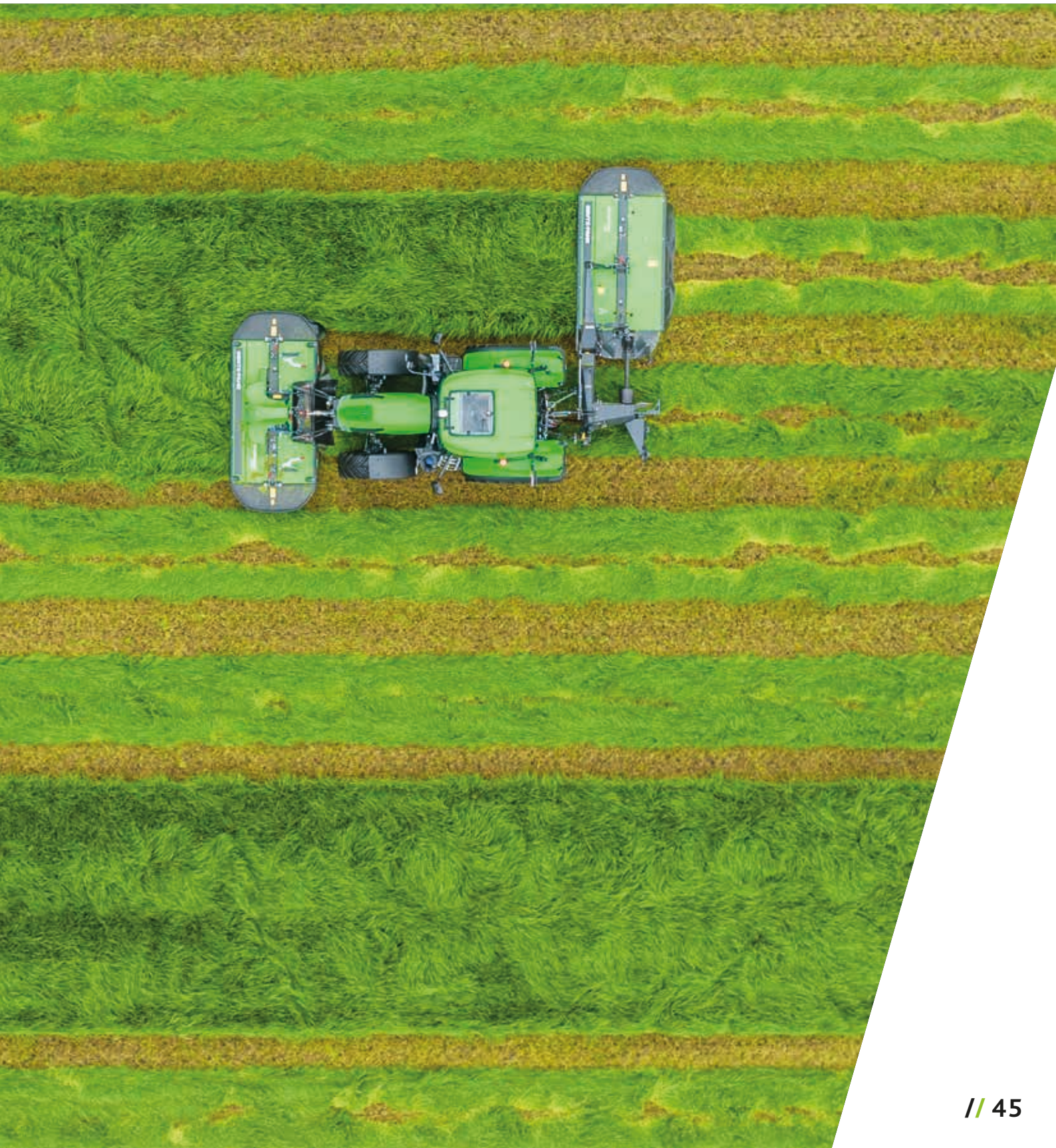


The tractors of the Series 6.4 family can be equipped with various products and services to simplify work and increase productivity.





# Farming Solutions





# // AGRICULTURE 4.0: FULLY CONNECTED


Series 6.4 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 6.4 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 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 new 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>Pro</sup> and AUTO-TURN, ensures that the tractor operates fully automatically, managing all in-field and headland operations based on preset 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 6.4 offer TIM. 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 TTV tractor comes with a complimentary 50-hour TIM trial, ready to be activated effortlessly by your dealer.



> The new Series 6.4 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.





> 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 6.4 family is already fitted with the necessary hardware from factory, existing DEUTZ-FAHR tractors can be retrofitted subsequently with the required components.

A large photograph on the right side of the page shows a green Deutz-Fahr tractor in a grassy field. Two people, a man and a woman, are standing next to the tractor, looking at something in the man's hands. The background shows a line of trees under a clear sky.

> 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 6.4 with your dealer for fast and comfortable support.



# // MAINTENANCE AND SERVICE

## Long intervals and easy handling.

With the new Series 6.4 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 aluminum radiator pack are easy to maintain and clean

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 new Series 6.4 tractors not only follow this tradition but offer further improvements. Besides the manufacturer's warranty, an additional SDF ExtraCare warranty is available for the new Series 6.4, 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 cleaning of the radiator package.



> The engine oil dipstick is accessible without opening the bonnet.





> Easy access to the large cab air filters.



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



> Big toolbox conveniently placed on the right side.

TECHNICAL DATA		SERIES 6.4 POWERSHIFT	
		6160.4	6170.4
ENGINE*			
Model		TCD 4.1	
Emission level		Stage V	
Cylinders/Displacement	n°/cc	4/4038	
Turbocharger with charge air cooling		●	
Visco cooling fan		●	
Injection @ pressure	Type/bar	Common Rail @ 1600	
Max. power (ECE R120)	kW/HP	118/161	126/171
Max. power with Boost (ECE R120)	kW/HP	126/171	-
Power at rated speed (ECE R120)	kW/HP	114/155	120/163
Speed at maximum power	rpm	1900	
Max. engine speed (rated)	rpm	2100	
Max. torque with Boost	Nm	685	-
Max. torque	Nm	675	699
Speed at maximum torque	rpm	1500	
Air filter with dust ejector		●	
Fuel tank capacity	l	300	
AdBlue capacity	l	21	
Oil change interval	Hours	1000 (or 2 years)	
TRANSMISSION			
Model		Powershift transmission	
Transmission ratio		1.3232	
PowerShuttle with 5 different settings		●	
Gearbox	n°	5 range gears with 6 Powershift stages each (forward)	
N° of speed without creeper	n°	30 + 15	
N° of speed with optional creeper	n°	54 + 27	
Driving modes		Manual/APS (if equipped)	
Automatic Powershift (APS)		○	
Powershift proportional valves (SenseShift)		●	
Speed-Matching		●	
Minimal speed with creeper	km/h	0.37	
Top speed 40 km/h	rpm	1575 SuperECO	
Top speed 50 km/h	rpm	1969 ECO	
HYDRAULICS AND LINKAGE			
Pump flow (STD)	l/min	84 Open Center pump	
Pump flow (OPT)	l/min	120/160 Load Sensing pump	
Hydraulic oil takeout	l	up to 40	
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 (mechanical)		○	
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	
Hydraulic upper links		○	
PTO			
Rear PTO speeds (STD)		540/540ECO/1000/1000ECO	
Front PTO speeds		1000/1000ECO	
Rear Auto PTO		●	
AXLES AND BRAKES			
Suspended front axle		○	
Electro-hydraulic differential lock 100%		○	
ASM system		○	
Brakes for front axle		○	
Performance Steering ready with EasySteer function		○	
Brake booster (PowerBrake)		●	
Mechanical parking brake		●	
Pneumatic trailer brake		○	
Hydraulic trailer brake		○	
Engine Brake		-	



TECHNICAL DATA		SERIES 6.4 POWERSHIFT	
		6160.4	6170.4
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 11786 (7-pole)			○
MAXIVISION CAB			
Cab			MaxiVision / MaxiVision <sup>+</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			○
Powershift gear lever			●
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			○
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			○
FRONT LOADER			
Pre-arrangement Light Kit			○
Pre-arrangement Ready Kit			○
Front loader model			FZ 43-27   FZ 43-30
Overloading height	mm		4110
Breakout force 800 mm before the pivot point	daN		3540   4580

● = standard ○ = option – = not available

\* Ask your dealer for detailed engine approval power ratings

TECHNICAL DATA		SERIES 6.4 RCSHIFT	
		6160.4	6170.4
ENGINE*			
Model			TCD 4.1
Emission level			Stage V
Cylinders/Displacement	n°/cc		4/4038
Turbocharger with charge air cooling			●
Visco cooling fan			●
Injection @ pressure	Type/bar		Common Rail @ 1600
Max. power (ECE R120)	kW/HP	118/161	126/171
Max. power with Boost (ECE R120)	kW/HP	126/171	-
Power at rated speed (ECE R120)	kW/HP	114/155	120/163
Speed at maximum power	rpm		1900
Max. engine speed (rated)	rpm		2100
Max. torque with Boost	Nm	685	-
Max. torque	Nm	675	699
Speed at maximum torque	rpm		1500
Air filter with dust ejector			●
Fuel tank capacity	l		300
AdBlue capacity	l		21
Oil change interval	Hours		1000 (or 2 years)
TRANSMISSION			
Model			RCshift (robotised comfort shift) transmission
Transmission ratio			1.3232
PowerShuttle with 5 different settings			●
Gearbox	n°		5 range gears with 6 Powershift stages each (forward)
N° of speed with creeper	n°		54 + 27
Driving modes			Manual/Semi Auto/Auto
Stop&Go			● (in Semi Auto/Auto mode)
Automatic Powershift (APS)			●
Powershift proportional valves (SenseShift)			●
Speed-Matching			●
Minimal speed with creeper	km/h		0.37
Top speed 40 km/h	rpm		1224 UltraECO
Top speed 50 km/h	rpm		1575 SuperECO
HYDRAULICS AND LINKAGE			
Pump flow (STD)	l/min		84 Open Center pump
Pump flow (OPT)	l/min		120/160 Load Sensing pump
Hydraulic oil takeout	l		up to 40
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 stabilisers (mechanical)			○
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
Hydraulic upper links			○
PTO			
Rear PTO speeds (STD)			540/540ECO/1000/1000ECO
Front PTO speeds			1000/1000ECO
Rear Auto PTO			●
AXLES AND BRAKES			
Suspended front axle			○
Electro-hydraulic differential lock 100%			○
ASM system			○
Brakes for front axle			○
Performance Steering ready with EasySteer function			○
Brake booster (PowerBrake)			●
Mechanical parking brake			●
Pneumatic trailer brake			○
Hydraulic trailer brake			○
Engine Brake			-



TECHNICAL DATA		SERIES 6.4 RCSHIFT	
		6160.4	6170.4
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 11786 (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 satellite 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			○
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			○
FRONT LOADER			
Pre-arrangement Light Kit and Light Kit Plus			○
Pre-arrangement Intermediate Kit			○
Pre-arrangement Ready Kit			○
Pre-arrangement ISOBUS loader			○
Front loader model			FZ 43-27   FZ 43-30
Overloading height	mm		4110
Breakout force 800 mm before the pivot point	daN		3540   4580

● = standard ○ = option – = not available

\* Ask your dealer for detailed engine approval power ratings

TECHNICAL DATA		SERIES 6.4 RVSHIFT		
		6130.4	6140.4	6150.4
ENGINE*				
Model		FARMotion 45		
Emission level		Stage V		
Cylinders/Displacement	n°/cc	4/3849		
VTG-Turbocharger with charge air cooling		●		
e-Visco cooling fan		●		
Injection @ pressure	Type/bar	Common Rail @ 2000		
Max. power (ECE R120)	kW/HP	100/136	108/147	115/156
Power at rated speed (ECE R120)	kW/HP	95/129	105/139	109/148
Speed at maximum power	rpm	2000		
Max. engine speed (rated)	rpm	2200		
Max. torque	Nm	577	622	663
Speed at maximum torque	rpm	1400		
Air filter with dust ejector		●		
Fuel tank capacity	l	260		
AdBlue capacity	l	25		
Oil change interval	Hours	600 (or 2 years)		
TRANSMISSION				
Model		RVshift (Full Powershift concept)		
Transmission ratio		1.3756		
PowerShuttle with 5 different settings		●		
N° of speed without creeper	n°	20 + 16		
Creeper		○ (with CVT logic)		
Driving modes		Work/Transport		
Stop&Go		● (with advanced functionality)		
Automatic Powershift (APS)		●		
Minimal speed with creeper	km/h	0.02		
Top speed 40 km/h	rpm	1415 SuperECO		
Top speed 50 km/h	rpm	1765 ECO		
HYDRAULICS AND LINKAGE				
Pump flow (STD)	l/min	90 Open Center pump		
Pump flow (OPT)	l/min	120 Load Sensing pump		
Hydraulic oil takeout	l	up to 40		
Spool valves controls	Type	Mechanical or Mixed		
Hydraulic auxiliary control valves (Mechanical)	n°	3 or 4		
Hydraulic auxiliary control valves (Mixed)	n°	2 mechanical and 2 electrical		
Power Beyond		○ (standard couplers)		
Automatic lower link stabilisers (mechanical)		○		
Rear linkage lifting capacity (STD)	kg	5870		
Rear linkage lifting capacity (OPT)	kg	9170		
Rear linkage lift category	Cat.	IIIN		
External operation on rear fenders		●		
Front linkage lifting capacity (OPT)	kg	3000		
Hydraulic upper link		○		
PTO				
Rear PTO speeds (STD)		540/1000		
Rear PTO speeds (OPT)		540/540ECO /1000		
Rear Auto PTO		●		
Groundspeed PTO with independent shaft		○		
Front PTO 1000		○		
AXLES AND BRAKES				
Suspended front axle		○		
Electro-hydraulic differential lock		●		
ASM system		○		
Performance Steering ready with EasySteer function		○		
Brake booster (PowerBrake)		●		
Mechanical parking brake		●		
Electronic Parking Brake (EPB)		○		
Pneumatic trailer brake		○		
Hydraulic trailer brake		○		
Hydraulic Engine Brake (HEB)		○		



TECHNICAL DATA		SERIES 6.4 RVSHIFT		
		6130.4	6140.4	6150.4
ELECTRICAL SYSTEM				
Voltage	V		12	
Standard battery	V/Ah		12/180	
Alternator	V/A		14/170	
Starter motor	V/kW		12/3.1	
External socket			●	
Interface for attachments 11786 (7-pole)			○	
MAXIVISION CAB				
Cab			MaxiVision/MaxiVision <sup>+</sup>	
Hydro Silent-Block suspension			●	
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			○	
RVshift joystick			●	
Multifunction satellite armrest			● (base for MaxiVision equipment)	
Multifunction satellite armrest with additional joystick for electro-hydraulic spool valves			● (base for MaxiVision <sup>+</sup> equipment)	
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			●	
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			○	
Removable cooling box			○	
8x Halogen work lights on cab roof			●	
Up to 21x LED work lights			○	
Up to 2x Beacon lights LED			○	
LED driving lights			●	
FRONT LOADER				
Pre-arrangement Light Kit and Light Kit Plus			○	
Pre-arrangement Ready Kit			○	
Front loader model			FZ 43-27   FZ 41 -33   FZ 41-29   FZ 41-25	
Overloading height	mm		4110	
Breakout force 800 mm before the pivot point	daN		3540   4580   4580	

● = standard ○ = option – = not available

\* Ask your dealer for detailed engine approval power ratings

TECHNICAL DATA		SERIES 6.4 TTV				
		6130.4	6140.4	6150.4	6160.4	6170.4
ENGINE*						
Model		FARMotion 45			TCD 4.1	
Emission leve[		Stage V				
Cylinders/Displacement	n°/cc	4/3849			4/4038	
Turbocharger with charge air cooling		●				
e-Visco cooling fan		●				
Injection@ pressure	Type/bar	Common Rail @ 2000			Common Rail @ 1600	
Max. power (ECE R120)	kW/HP	100/136	108/147	115/156	118/161	126/171
Max. power with Boost (ECE R120)	kW/HP	-			126/171	-
Power at rated speed (ECE R120)	kW/HP	95/129	105/139	109/148	114/155	120/163
Speed at maximum power	rpm	2000			1900	
Max. engine speed (rated)	rpm	2200			2100	
Max. torque with Boost	Nm	-			685	-
Max. torque	Nm	577	622	663	675	699
Speed at maximum torque		1400			1500	
Air filter with dust ejector		●				
Fuel tank capacity	l	260			300	
AdBlue capacity	l	25			21	
Oil change interval	Hours	600 (or 2 years)			1000 (or 2 years)	
TRANSMISSION						
Model		TTV Stepless transmission				
Transmission ratio		1.3756			1.3228	
PowerShuttle with 5 different settings		●				
Driving modes		Auto/PTO/Manual			Auto/Advanced Auto/PTO/Manual	
Top speed 40 km/h	rpm	1415 SuperECO			1359 UltraECO	
Top speed 50 km/h	rpm	1765 ECO			1698 SuperECO	
Cruise Control	qty.	2+2				
Active standstill (PowerZero)		●				
HYDRAULICS AND LINKAGE						
Pump flow (STD)	l/min	120 Load Sensing pump				
Pump flow (OPT)	l/min	-			160 Load Sensing pump	
Hydraulic oil takeout	l	up to 46			up to 55	
Spool valves controls	Type	Mixed or Electrical				
Hydraulic auxiliary control valves (Mixed)	n°	2 mechanical and 2 electronic			2 mechanical and 2 electronic SCVs	
Hydraulic auxiliary control valves (Electric)	n°	4 or 5			3, 4 or 5 hydraulic valves	
Power Beyond		○ (standard couplers)			○ (standard or flat face couplers)	
Automatic lower link stabilisers (mechanical)		○			●	
Rear linkage lifting capacity (STD)	kg	5870			6200	
Rear linkage lifting capacity (OPT)	kg	9170			9700	
External operation on rear fenders		●				
Front linkage "efficient" lifting capacity (OPT)		-			3800	
Front linkage lifting capacity (OPT)	kg	3000			4110	
Hydraulic upper link		○				
PTO						
Rear PTO speeds (STD)		540/540ECO/1000			540/540ECO/1000/1000ECO	
Groundspeed PTO with independent shaft		○			-	
Front PTO 1000		○				
Front PTO 1000ECO		-			○	
Auto PTO		●				
AXLES AND BRAKES						
Suspended front axle with 100% Diff. Lock.		○				
Electro-hydraulic engagement 4WD		●				
ASM system		○				
Brakes on all 4 wheels		-			○	
Performance Steering ready with EasySteer function		○				
Mechanical parking brake		●			-	
Electronic Parking Brake (EPB)		○			●	
Pneumatic trailer brake		○				
Hydraulic trailer brake		○				
Engine brake		○			-	



TECHNICAL DATA		SERIES 6.4 TTV			
		6130.4	6140.4	6150.4	6160.4
ELECTRICAL SYSTEM					
Voltage	V	12			
Standard battery	V/Ah	12/180			
Alternator	V/A	14/170		14/200	
External socket		●			
Interface for attachments 11786 (7-pole)		○			
MAXIVISION CAB					
Cab		MaxiVision <sup>+</sup> /MaxiVision <sup>Pro</sup>			
Hydro Silent-Block suspension		●		-	
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 additional operation elements for electro-hydraulic spool valves		● (base for MaxiVision <sup>+</sup> equipment)			
iMonitor with 8"		○			
iMonitor with 12"		○ (option for MaxiVision <sup>Pro</sup> equipment)			
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 brakets 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)		●			
Further seat options		○			
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		FZ 43-27   FZ 41 -33   FZ 41-29   FZ 41-25		FZ43-30   FZ 43-27	
Overloading height	mm	3890		4110	
Breakout force 800 mm before the pivot point	daN	2900-3820		3540 - 4580	

● = standard ○ = option - = not available

\* Ask your dealer for detailed engine approval power ratings



TECHNICAL DATA		RVSHIFT			POWERSHIFT		RCSHIFT	
		6130.4	6140.4	6150.4	6160.4	6170.4	6160.4	6170.4
DIMENSIONS AND WEIGHTS								
Front tyres (min.)			420/85 R24"		420/85 R24"		420/85 R24"	
Rear tyres (min.)			460/85 R38"		520/70 R38"		520/70 R38"	
Front tyres (max.)			540/65 R26"		600/60 R28"		600/60 R28"	
Rear tyres (max.)			650/65 R38"		710/60 R38"		710/60 R38"	
Wheelbase (A)	mm		2562		2542		2542	
Length (max.) (B)	mm		4636		4193-5255		4193-5255	
Height (max.) (C)	mm		2970		2920-3020		2920-3020	
Width (max.) (D)	mm		2563		2285-2720		2285-2720	
Ground clearance	mm		435-485		390-490		390-490	
Front axle width (flange to flange, no brakes)	mm		1890		1850		1850	
Rear axle width (flange to flange)	mm		1740		1720		1720	
Unladen weight, front	kg		2535		2690-3340		2690-3340	
Unladen weight, rear	kg		3965		4340-4380		4340-4380	
Total unladen weight	kg		6500*		7080-7700		7080-7700	
Wheel weights			○		○		○	
Maximum permissible axle load, front	kg		4500		4700		4700	
Maximum permissible axle load, rear	kg		6500		8400		8400	
Maximum permissible weight	kg		10500		11500		11500	

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.

\*with 650/65 R38" rear tyre, mixed hydraulic configuration, front axle suspension, front lift and front PTO





TECHNICAL DATA		TTV				
		6130.4	6140.4	6150.4	6160.4	6170.4
DIMENSIONS AND WEIGHTS						
Front tyres (min.)			420/85 R24"		520/60 R28	
Rear tyres (min.)			460/85 R38"		650/60 R38	
Front tyres (max.)			540/65 R26"		600/60 R28	
Rear tyres (max.)			650/65 R38"		710/60 R38	
Wheelbase (A)	mm		2562		2542	
Length (max.) (B)	mm		4636		5221	
Height (max.) (C)	mm		2970		3158	
Width (max.) (D)	mm		2563		2720	
Ground clearance	mm		435-485		398-448	
Front axle width (flange to flange, no brakes)	mm		1890		1850	
Rear axle width (flange to flange)	mm		1740		1720	
Unladen weight, front	kg		2535		2750-3515	
Unladen weight, rear	kg		3965		4295-4660	
Total unladen weight	kg		6500*		7045-8175	
Wheel weights			○		○	
Maximum permissible axle load, front	kg		4500		5000	
Maximum permissible axle load, rear	kg		6500		8600	
Maximum permissible weight	kg		10500		11500/12500**	


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\*with 650/65 R38" rear tyre, mixed hydraulic configuration, front axle suspension, front lift and front PTO

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



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