

# 6 SERIES.



6120 – 6130 – 6140 POWERSHIFT  
6120 – 6130 – 6140 TTV



# THE 6 SERIES.

## Cab.

The Series 6 cab rests on Hydro-Silent blocks or suspension to ensure a quiet, low-vibration workspace. For an ideal view to the top, four roof variants with or without FOPS can be selected. > PAGE 4

## Engine.

The 4-cylinder engines are extremely powerful and efficient. They are equipped with Common Rail injection and Turbo Intercooler intake. > PAGE 14

## Axles & brakes.

The all-wheel drive and differential locks can be activated and deactivated electro-hydraulically. The four-wheel braking system and the self-adjusting rear-wheel brake ensure optimum safety. > PAGE 22



So that you can do all you have to do.

The new 6 Series provides the best technology mix in its class. DEUTZ-FAHR has expanded the series with six compact, four-cylinder tractors in the low-horsepower category: the 6120, 6130 and 6140, each of which are available with TTV or PowerShift transmissions. From ploughing, sowing and cultivating to transporting, harvesting and front loader work – the new 6 Series tractors are as versatile as your daily work is varied. Maximum manoeuvrability, supreme efficiency and unparalleled operating comfort are trademark features of the new 6 Series. The modern bonnet design, LED light package and 8" iMonitor in the cab all blend in seamlessly with the complete model range. Like the existing 6 Series, the new, compact four-cylinder tractors come with powerful hydraulic systems as well as a range

of hydraulic attachment points at the front and rear. Ultra-efficient engines (Stage IV) with an output from 126 to 143 HP (93 to 105 kW) ensure characteristically high performance and low fuel consumption. A variety of equipment options are available. The spacious cab provides the high level of operating and driving comfort that DEUTZ-FAHR has become known. With the six new models in the range, DEUTZ-FAHR has added even more options to the technology mix. Businesses looking for a compact model that offers a wide range of features as well as comfort and convenience are guaranteed to find a perfectly suitable all-round tractor that matches their work profile and individual requirements.



## Attachment points.

The powerful equipment includes the rear linkage with 7,000 kg lifting capacity and the front linkage with 2,880 kg lifting capacity. A front loader is also available as a factory-installed option. The Series 6 is equipped with four PTO speeds at the rear and a front PTO. > PAGE 26

## Hydraulic system.

Three hydraulics packages with a total of 22 equipment options are available. Up to 120 l/min pump capacity and up to 5 double-action control valves can be selected. > PAGE 26

## Transmission.

The Series 6 is available either with TTV or Powershift transmission. The transmissions are equipped with an electro-hydraulic powershuttle and a stop&go system. > PAGE 16

6 SERIES		6120		6130		6140	
		POWERSHIFT	TTV	POWERSHIFT	TTV	POWERSHIFT	TTV
ENGINE		FARMotion		FARMotion		Deutz TCD 3.6	
Maximum power (ECE R120)	kW/PS	93/126		100/136		100,1/136	
Maximum power with boost (ECE R120)	kW/PS	-		-		105/143	

More technical data can be found on PAGES 32 – 35.



## Highlights

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- Mechanical or pneumatic cab suspension on request
- Adjustable side windows as standard, opening front windscreen on request
- 33,600-lumen LED light package
- Four roof design options

# COMFORT CAB.

Helping drivers to give their all.

What do drivers need to give their all at work each day? First of all: peace and quiet. This is something the new 6 Series models offer. The cabin, mounted on Hydro silent blocks, reduces noise and vibrations by up to 40 %. For even more relaxed work, mechanical or pneumatic cab suspension can be fitted on request. Next, drivers need a pleasant working environment. No problem: you can choose between manually adjustable air conditioning or automatic climate control. Adjustable side windows are standard on all models, and an opening front windscreen is available on request. Then, of course, drivers need

a perfect view of all working areas, whatever the conditions. This is a given, too. A 33,600-lumen LED lighting package turns night into day. For best visibility above the tractor during front loader operation, choose a model with a transparent sunroof – with FOPS. To improve rear visibility in wet conditions, the wiper position on the rear windscreen has been optimised. As you can see, DEUTZ-FAHR has given its utmost when it comes to comfort in the new 6 Series models so that drivers can also give their all.



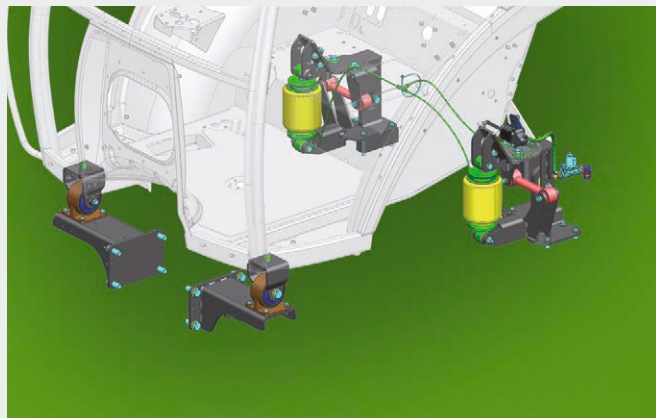
↑ A choice of four roof designs: a transparent sunroof with or without FOPS and an opaque roof with or without FOPS.



↑ Choose between manual or automatic air conditioning.



↑ Optimised wiper position on the rear screen – the best visibility in wet or dirty conditions. Now also available with defrost.



↑ Pneumatic cab suspension available upon request.



## **A COMFORTABLE SPACE.**

Everything in view. Everything to hand.

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## Highlights

- New MaxCom joystick (TTV models)
- 5" colour display on the new InfoCentre<sup>Pro</sup>
- A choice of three seat designs
- Passenger seat with safety belt



↑ Cutting-edge instrument panel with new InfoCentrePro: 5" LCD colour display and high resolution for a top-quality information concept customised by the user.



↑ The TTV models are operated using the new MaxCom joystick. Four buttons can be assigned to any function.



↑ Three seat designs are available.



↑ All models have a passenger seat with safety belt.

Climb aboard and enjoy the space while at work. The interior of new 6 Series tractors boasts an impressive, brilliant design. All of the controls for the engine, transmission, power take-off, hydraulic control valves and the light as well as the MMS for the InfoCentre-Pro are within easy reach, built into the side console to the right of the driver. These are arranged logically depending on their frequency of use and clearly marked in different colours. The TTV models are operated using the new MaxCom joystick on the right armrest. The new InfoCentrePro in the steering console features a 5" colour display.

This provides the driver with a continuous flow of information about the operational status of the tractor. Mini-MMI or MMI can be used to call up various pages and make individual settings. Three seat designs are available: one with mechanical suspension, one with pneumatic suspension and a rotatable seat with pneumatic suspension. All models also have a passenger seat with safety belt. What is certain in any case is that every wish is catered for with the new 6 Series in terms of driving and operating comfort.



DEUTZ-FAHR

6140 TTV

Nothing



Grass and tree cutting, street cleaning, snow clearing – your daily municipal work includes many tasks. Time is at a premium, and so is space. This requires compact technology, agility, versatility, speed and convenient operation. Your customised Series 6 model will allow you to complete all your tasks with efficiency.

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# PRECISION FARMING.

Programmed for efficiency.

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## Highlights

- 8" iMonitor on the right pillar, adjustable
- Visual guidance system on request
- Assisted steering system with built-in steering angle sensor, factory-fitted
- ISO 11783 ISOBUS interface at the rear



↑ Agrosky receiver: all GPS correction signals can be received with a single device.



↑ Optional: the DEUTZ-FAHR assisted steering system with built-in steering angle sensor.



↑ MMI console: convenient system control even when travelling over challenging terrain.



↑ Unique operating comfort. The 8" iMonitor. Optional interface for all tractor and equipment functions.

The new 6 Series models can be fitted with the latest DEUTZ-FAHR Precision Farming systems. Highly efficient work is possible with accuracy down to 2 cm. Anywhere in the world, these tractors use satellite systems and correction signals with a single receiver – the Agrosky receiver. Alternatively, opt for the DEUTZ-FAHR manual visual guidance system. The DEUTZ-FAHR assisted steering system with integrated steering angle sensor is also available as an equipment option to increase the efficiency of the new 6 Series models.

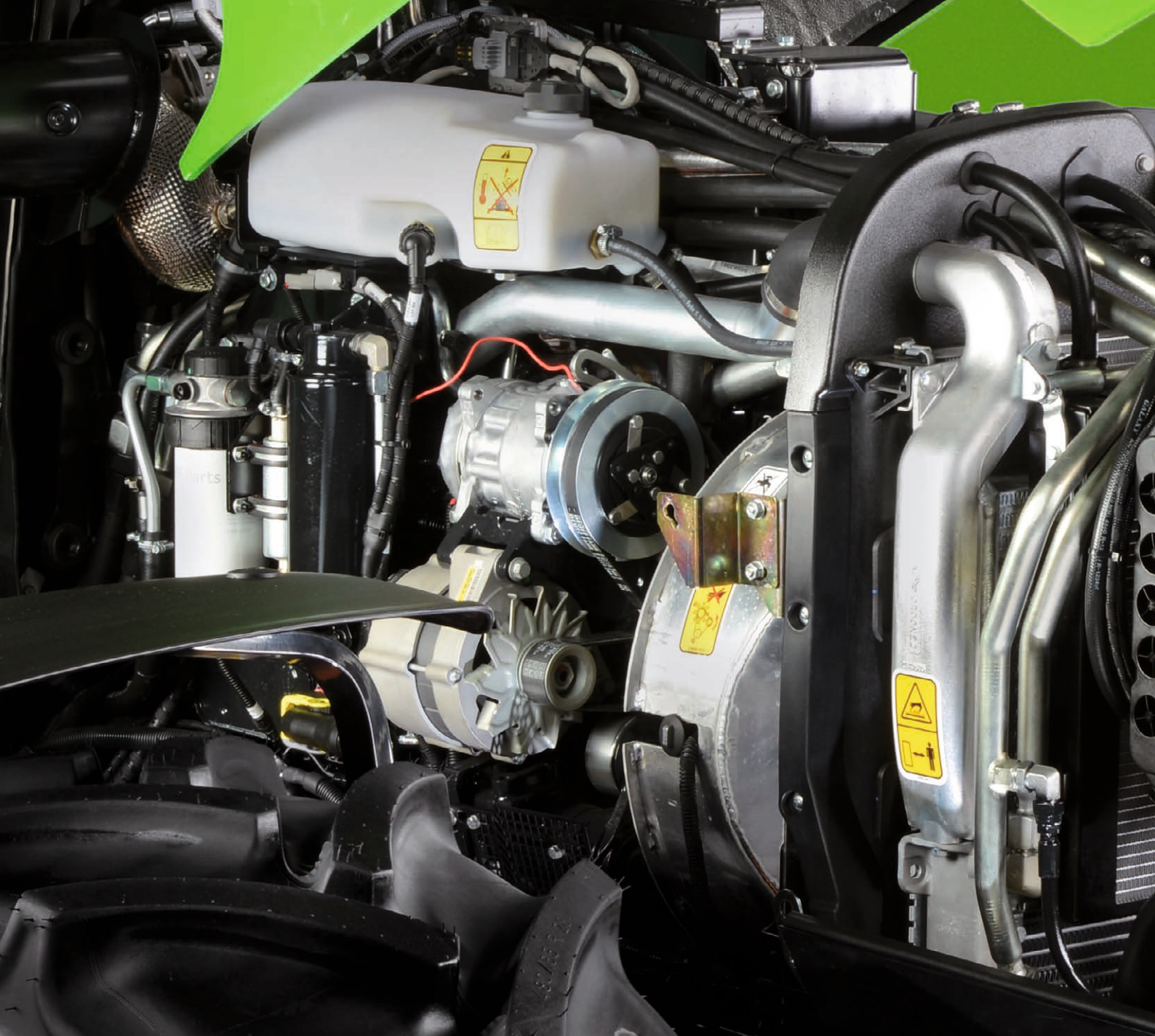
An ISO 11783 ISOBUS interface at the rear makes your new 6 Series model digitally compatible with the implements of major manufacturers. Whatever you choose, all DEUTZ-FAHR Precision Farming systems are displayed on a single screen with an 8" monitor, including a camera image from one or two feeds, and can be operated using either touchscreen or the MMI console. The iMonitor is mounted on the right pillar and can be moved up or down for field work and road travel.

The crops are ready. The weather is right. But for how long? Now everything has to work. Time will go very quickly. The harvesting chain begins: mowing, turning, swathing and baling. Your new series 6 tractor is at the heart of everything. Flawless technique. Flawless working comfort. It's nice to know you can rely on everything and everyone. That's the way to reap success.

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## **4-CYLINDER ENGINE.**

Gives everything. Takes little.

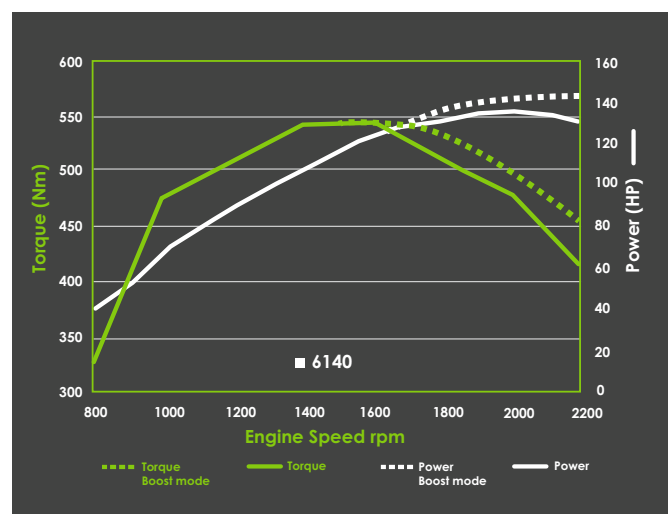
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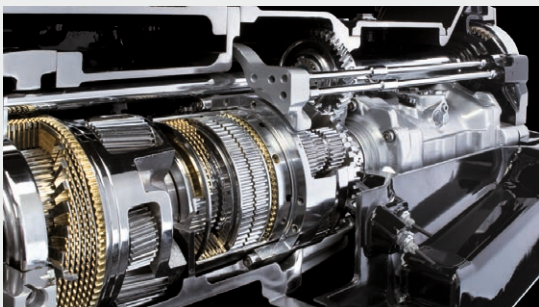


## Highlights

- Electronically controlled four-cylinder Stage IV engines
- High torque across a wide range of engine speeds
- Electronic Visco fan
- Engine brake for 40% more braking performance

The new, electronically controlled four-cylinder engines (Stage IV) are extremely compact, extremely powerful and extremely efficient. They respond immediately and deliver high torque across a wide range of engine speeds. They are also extremely clean. They include EGR and SCR exhaust after-treatment (6120–6130), and an additional passive diesel particle filter – DPF (6140). Compared to traditional active filters, the passive DPF offers three advantages: fuel is not injected into the filter, less heat is produced and filter regeneration is considerably faster. This means you save fuel and money while meeting all international emission standards – now and in the future. On all models, engine efficiency is increased by an electronic Visco fan. Each model can also be fitted with the new Hydraulic Engine Brake (HEB) to provide up to 40 % greater braking performance. This system ensures that the service brakes are protected, in particular when travelling downhill and carrying heavy loads. While increasing safety this reduces servicing costs. Operation is practical, easy and reliable using an additional pedal. Brake performance is automatically calibrated and optimised for the selected driving mode.





↑ Proven and reliable transmission technology.



↑ Powershuttle with 5 adjustable settings for changes of direction without interruption of torque.



↑ Max speed 50 km/h or 40 km/h at economy engine speed.



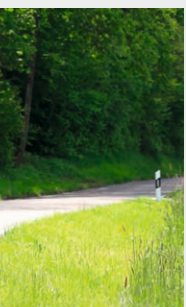
# TTV TRANSMISSION.

Continuously variable  
for easier work.

Maximum productivity with maximum driving and working comfort – the new 6 Series tractors can be fitted with modern, continuously variable TTV transmission technology. This mature concept has been tried and tested over the years and is now even more efficient thanks to new software. Three driving modes are available to allow the driver to adapt to every situation at work: manual, automatic and PTO. The overall speed range extends from 0 km/h to 50 km/h. For every kind of work, TTV transmission is extremely efficient at all speeds. The engine and transmission controls are perfectly coordinated and support user-defined settings. The active-power-zero standby control makes it possible to stop without activating the brake pedal or clutch. Every single detail of the TTV transmission has been specially designed to maximise the productivity of the new 6 Series models.

## Highlights

- Three driving modes: manual, automatic and PTO
- Speed range from 0 to 50 km/h
- Active power-zero standby control



↑ Two working modes (FIELD/TRANSPORT) can be selected electro-hydraulically.



# POWERSHIFT TRANSMISSION.

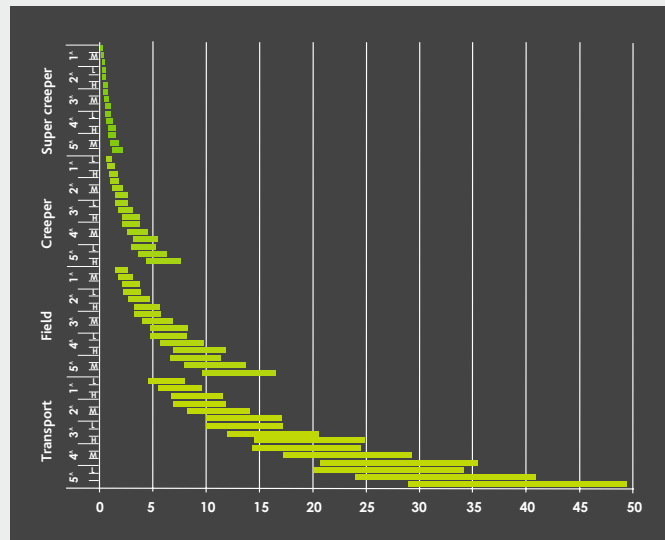
You have complete control.

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## Highlights

- Five-speed gearbox with three load stages, APS and speed matching
- 30+30 or 60+60 speed versions available
- Stop&Go system for precise manoeuvring without using the clutch
- SenseClutch and Comfort-Clutch as standard



Key operating functions are integrated comfortably in the console.



Max speed 50 km/h or 40 km/h at economy engine speed.

Pure technology. Those who choose the new 6 Series PowerShift models will benefit from a solid, five-speed manual gearbox with three powershift steps and speed matching among other comfort bonuses. Two versions are available: a 30+30 or a 60+60 speed version with creeper and supercreeper. These transmission systems also feature the electrohydraulic power shuttle system with five-stage pre-selectable response characteristics (SenseClutch). This makes it possible to change the direction of travel without interrupting torque. The Stop&Go system facilitates precise manoeu-

ring in tight spaces without the need to operate the clutch – a key advantage of the new 6 Series models in terms of convenience, especially for front loader work. The ComfortClutch system also makes it possible to change gears without using the clutch pedal. Naturally, the top speed is 50 km/h, 40 km/h can also be achieved with reduced engine speed. For farmers who appreciate robust gear-shifting technology and still want to do some things manually, the new 6 Series PowerShift models are the perfect choice.





Shorter transport times mean greater productivity. With the new 6 series models, you can really make progress on the road, in complete safety, with the added bonus that fuel consumption remains low. It's good to know that you can rely on your equipment at every moment.

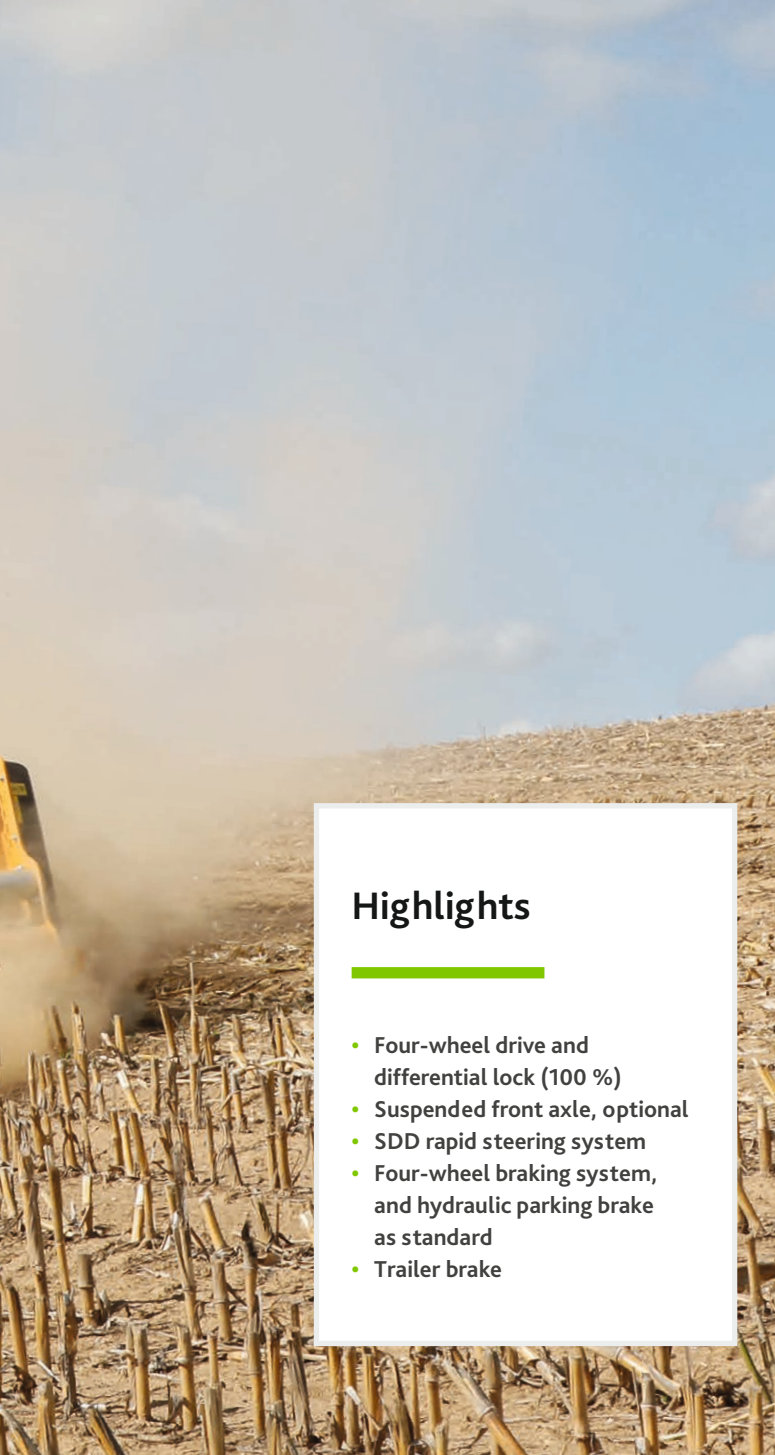
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# SUSPENDED FRONT AXLE.

All situations. A grip on everything.

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## Highlights

- Four-wheel drive and differential lock (100 %)
- Suspended front axle, optional
- SDD rapid steering system
- Four-wheel braking system, and hydraulic parking brake as standard
- Trailer brake



Hydraulic parking brake. A secure position wherever you park your new 6 Series tractor.



A hydraulic or pneumatic trailer brake ensures safe travelling with heavy loads.

The front axles specially developed for the 120 to 140 HP class are new. These were developed with the aim of providing traction, grip and safety on all ground conditions and in all situations. Four-wheel and differential lock (100 %) can be activated and deactivated by electrohydraulic controls, and both are automatically controlled by the ASM system depending on steering angle and speed. All new 6 Series models can optionally be fitted with a suspended front axle. Double acting cylinders maintain a perfect levelling control and consequently an overall improvement to the effectiveness of the suspension. This significantly increases driving and working comfort as well as traction and safety both in the field

and on the road. The SDD rapid steering system is also available for all new models. It halves the number of turns of the steering and makes manoeuvring much more efficient. As always with DEUTZ-FAHR, excellent safety features come as standard. The new 6 Series models are equipped with a four-wheel braking system, and a Hydraulic Parking Brake (HPB). A trailer brake (hydraulic or pneumatic) is available on request. For checking the stability of the tractor-trailer combination the Hydraulic Parking Brake can be decoupled at the touch of a button. This is to ensure the tractor can hold the overall weight of the trailer without a braking effect.

Tilling. Fertilising. Sowing.  
Cultivating. Modern field  
work is precision work. Precise  
navigation, precise attachment  
handling, precise traction and  
precise working speeds. Your  
new 6 series model deals  
precisely with every task you  
have to complete. Start making  
the most out of your fields.

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## Highlights

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- Three hydraulic packages with 22 equipment options available
- Factory-fitted integrated front linkage available on request (three versions)
- Lifting capacity of 2,880 kg at the front and 7,000 kg at the rear
- Up to four PTO speeds, front and ground-speed PTO on request

# AUTOMATIC OR MANUAL?

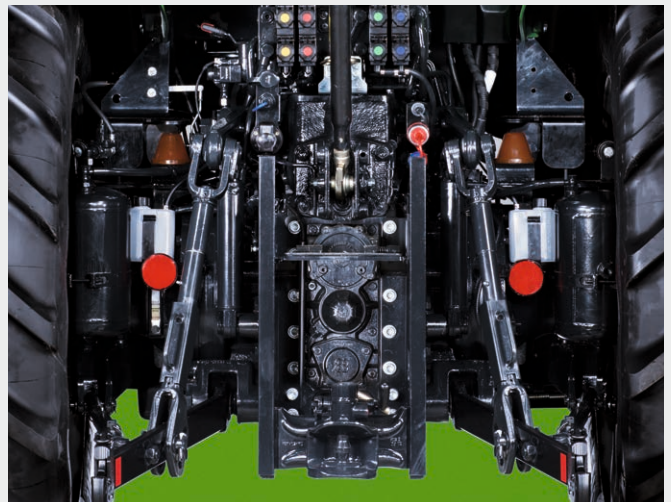
It's all a question of adjustment.

The new 6 Series tractors show the extent of their equipment versatility when it comes to the hydraulic systems. These can be configured to suit your exact needs. There is a choice of three hydraulic packages: a simple open centre system with a pump output of 90 l/min and mechanical control units, a 120 l/min load sensing package with mechanical control units or a 120 l/min load sensing package with electronic control units. Within these three basic packages, no fewer than 22 equipment options are available – from three mechanical control units to complete electro-hydraulic control of five double-acting control units, front linkage (with ComfortPack) and front loader. A factory-fitted front linkage is available

as an option. This also exists in three versions: mechanically or electro-hydraulically controlled with optional ComfortPack. The maximum lifting capacity of the front linkage is 2,880 kg. The electro-hydraulically controlled rear hitch can lift up to 7,000 kg. Four PTO speeds at the rear (540, 540ECO, 1000 and 1000ECO) are part of the standard equipment for the Powershift version, 3 for the TTV version. A 1,000 rpm front PTO and a ground-speed PTO are available on request. The automatic PTO function is included as standard. This activates or deactivates the PTO depending on the power lift position. The new 6 Series models offer everything for everyone. You can decide on the right equipment for you.



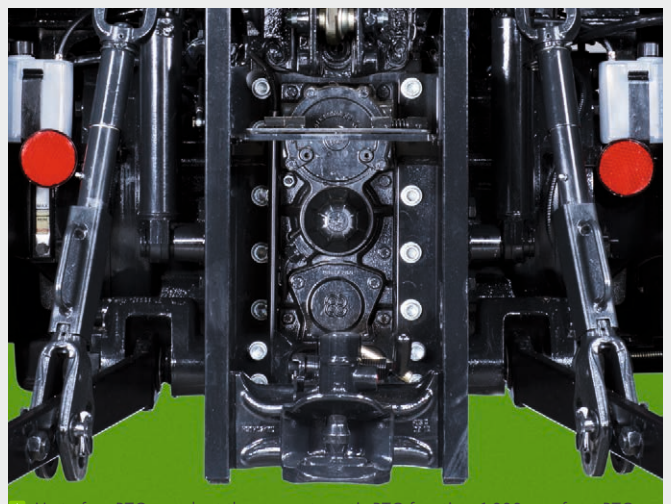
↑ Mechanical or electro-hydraulic control units. The choice is yours.



↑ Impressive characteristics: a lifting capacity of up to 7,000 kg, Category III, electronic hitch control as standard.



↑ The powerful front linkage can lift up to 2,880 kg. Also available: the ComfortPack with an additional control valve at the front.



↑ Up to four PTO speeds at the rear, automatic PTO function. 1,000 rpm front PTO optional.



# ADDITIONAL EQUIPMENT.

When everything is not enough.

You can choose from a wide range of additional equipment from the factory in order to optimise the new DEUTZ-FAHR 6 Series models for specific applications or to maximise comfort. From front ballasting, front hydraulics, a front PTO and front loader con-

sole to LED light packages and Precision Farming systems – original equipment will ensure that everything is a perfect fit and the quality is right. If you have even more specific requirements, your DEUTZ-FAHR dealer will be pleased to help.



↑ Hydraulic packages with 22 equipment options, e.g. a front linkage with ComfortPack.



↑ LED light packages with up to 33,600 lumen - turn night into day.



↑ Agrosky Receiver. All GPS correction signals can be received by a single device.



↑ Stop&Go and SDD rapid steering system.



↑ The front loader can be integrated from the factory upon request.



↑ For even more versatility: optional front PTO.





At the end of the day, when the harvest is complete, you will see: It paid off to tailor your tractor technology to every aspect of your individual work profile. And no tractor manufacturer offers more options than DEUTZ-FAHR with the 6 series.

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Technical data	6 SERIES AGROTRON		
	6120 TTV	6130 TTV	6140 TTV
<b>ENGINE</b>			
Manufacturer		SDF	Deutz
Model		FARMotion	TCD 3.6 L04
Emission level		Stage IV (Tier 4Final)	
Cylinders / Displacement	No. / cm <sup>3</sup>	4 / 3,849	4 / 3,620
Bore / Stroke	mm	130 / 115.5	98 / 120
Turbocharger with intercooler		●	
Common Rail injection pressure	bar	2,000	1,600
Max. power @ 2,000 rpm	kW / HP	93 / 126	100 / 136
Max. power with boost @ 2,000 rpm	kW / HP	-	105 / 143
Rated power @ 2,200 rpm	kW / HP	88.2 / 120	94.9 / 129
Max. torque @ 1,600 rpm	Nm	506	544
Torque increase	%	30	32
Visco fan		●	-
Electronic Visco fan		○	●
Exhaust gas recirculation (EGR)		External, water-cooled	
Exhaust after-treatment		SCR	DOC + DPF + SCR
Hydraulic engine brake		○	
Fuel tank capacity	l		185
AdBlue capacity	l		12
<b>TTV TRANSMISSION</b>			
Manufacturer		SDF	
Model		T5431 CVT	T5451 CVT
Electro-hydraulic reverse shuttle Powershuttle with 5 adjustable settingsr			●
Speed ranges	No.	2 (field/transport) electro-hydraulic controls	
Max. speed	km / h	50 (40 with reduced engine speed)	
PowerZero system			●
Hydraulic parking brake			●
Electro-hydraulic four-wheel activation			●
Electro-hydraulic differential lock activation, front and rear			●
ASM system			●
Front axle		SDF 2	SDF 2.5
Front axle suspension			○
Rear PTO 540/540 Eco/1000			●
Front PTO 1000			○
<b>HYDRAULICS SYSTEM</b>			
Delivery rate	l/min.	90 open centre / 120 LS	
Auxiliary control units at rear	No.	3 / 4 mechanical 4 / 5 electro-hydraulic	
Electronically controlled rear hitch (EHR)			●
Lifting capacity of rear hitch	kg	5,000 7,000 with additional lifting cylinder	7,000
Rear hitch category			II / III
Front linkage			○
Lifting capacity of front linkage	kg		2,880
Pneumatic trailer braking system			○
Front loader Light and Ready Kit			○
Hydraulic trailer brake			○
<b>CAB</b>			
Cab suspension		Hydro silent blocks / mechanical / pneumatic	
Instrument panel		InfoCentre <sup>Pro</sup>	
iMonitor 8"			○
Driver's seat		Mechanical/Pneumatic	
Air conditioning			○
Sunroof			○
FOPS roof			○
LED working headlights			○
SDD steering system			○
<b>DIMENSIONS AND WEIGHTS</b>			
Wheelbase (A)	mm	2,540	2,550
Length (B)	mm		4,428
Height (C: centre of rear axle to roof)	mm		2,025
Maximum permitted total weight	kg	8,000	9,000

● Standard ○ Optional – Not available

\* depending on standard or optional equipment.



\* Minimum length: from bonnet to rear lift arm in raised position / maximum length: from 1,000 kg front weights with front lift to rear lift arm in low position.  
 \*\* Min-max: depending on tyres and equipment.

Technical data and images are provided for guidance only. DEUTZ-FAHR makes every effort to tailor its products more closely in line with your needs and therefore reserves the right to make updates at any time and without prior notice.

Top speed 50 km/h where permitted. Top speed 40/50 km/h with reduced engine speed depending on tyres.

Technical data	6 SERIES AGROTRON		
	6120 POWERSHIFT	6130 POWERSHIFT	6140 POWERSHIFT
<b>ENGINE</b>			
Manufacturer		SDF	Deutz
Model		FARMotion	TCD 3.6 L04
Emission level		Stage IV (Tier 4Final)	
Cylinders / Displacement	No. / cm <sup>3</sup>	4 / 3.620	
Bore / Stroke	mm	130 / 115,5	
Turbocharger with intercooler		●	
Deutz Common Rail (DCR) injection pressure	bar	2.000	
Max. power @ 2,000 rpm	kW / HP	93 / 126	100 / 136
Max. power with boost @ 2,000 rpm	kW / HP	-	105 / 143
Rated power @ 2,200 rpm	kW / HP	88,2 / 120	94,9 / 129
Max. torque @ 1,600 rpm	Nm	506	526
Torque increase	%	30	28
Visco fan		●	
Electronic Visco fan		○	
Exhaust gas recirculation (EGR)		External, water-cooled	
Exhaust after-treatment		SCR	DOC + DPF + SCR
Hydraulic engine brake		○	
Fuel tank capacity	l	185	
AdBlue capacity	l	12	
<b>POWERSHIFT TRANSMISSION</b>			
Manufacturer		SDF	
Model		T5430	T5450
Electro-hydraulic reverse shuttle Power-shuttle with 5 adjustable settings		●	
5-speed gearbox with triple Powershift speeds		●	
Number of speeds	FW+RV	30+30	
Number of speeds with underdrive and supercreeper gear	FW+RV	60+60	
Max. speed	km/h	50 (40 with reduced engine speed)	
Stop&Go system		●	
Hydraulic parking brake		●	
Electro-hydraulic four-wheel activation		●	
Electro-hydraulic differential lock activation, front and rear		●	
ASM system		-	●
Front axle		SDF 2	SDF 2.5
Front axle suspension		○	
Rear PTO 540/540 Eco/1000/1000 Eco		●	
Front PTO 1000		○	
<b>HYDRAULICS SYSTEM</b>			
Delivery rate	l/min.	90 open centre / 120 LS	
Auxiliary control units at rear	No.	3 / 4 mechanical 4 / 5 electro-hydraulic	
Electronically controlled rear hitch (EHR)		●	
Lifting capacity of rear hitch	kg	5,000 7,000 with additional lifting cylinder	7.000
Rear hitch category		II / III	
Front linkage		○	
Lifting capacity of front linkage	kg	2,880	
Pneumatic trailer braking system		○	
Front loader Light and Ready Kit		○	
Hydraulic trailer brake		○	
<b>CAB</b>			
Cab suspension		Hydro silent blocks / mechanical / pneumatic	
Instrument panel		InfoCentre <sup>Pro</sup>	
iMonitor 8"		○	
Driver's seat		Mechanical / Pneumatic	
Air conditioning		○	
Sunroof		○	
FOPS roof		○	
LED working headlights		○	
SDD steering system		○	
<b>DIMENSIONS AND WEIGHTS</b>			
Wheelbase (A)	mm	2,540	2,550
Length (B)	mm	4,428	
Height (C: centre of rear axle to roof)	mm	2,025	
Maximum permitted total weight	kg	8,000	9,000

● Standard ○ Optional – Not available

\* depending on standard or optional equipment.



- \* Minimum length: from bonnet to rear lift arm in raised position / maximum length: from 1,000 kg front weights with front lift to rear lift arm in low position.
- \*\* Min-max: depending on tyres and equipment.

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Top speed 50 km/h where permitted. Top speed 40/50 km/h with reduced engine speed depending on tyres.

Your DEUTZ-FAHR sales partner

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