

6120 - 6130 - 6140 POWERSHIFT

6120 - 6130 - 6140 TTV





THE NEW, COMPACT 6 SERIES MODELS. SO THAT YOU CAN DO ALL YOU HAVE TO DO.

6 SERIES		6120		6130		6140	
		Powershift	TTV	Powershift	TTV	Powershift	TTV
Maximum power (ECE R120)	kW / HP	85/1	116	93/1	26	100/	136
Rated Power	kW / HP	80.6	/110	88.2/	120	94.9	/129

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 crops and front loader work – the new 6 Series tractors are as versatile as your daily work is varied. Maximum manoeuvrability, supreme efficiency and unparalleled operatbonnet 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

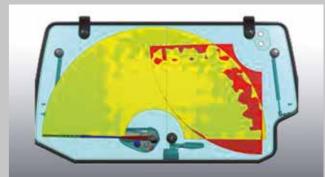
systems as well as a range of hydraulic attachment points at the front and rear. Ultra-efficient FARMotion 3.8 engine (Tier 4i) with an output from 116 to 136 HP (85 to 100 kW) ensure characteristicically high performance and low fuel consumption. A variety of equipment options are available. The spacious 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 ing comfort are trademark features of the new 6 Series. The modern 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.







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



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



Choose between manual or automatic air conditioning.



Pneumatic cab suspension available upon request.

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.





Cutting-edge instrument panel with new InfoCentre<sup>Pro</sup>: 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 PowerCom S joystick. Four buttons cabe assigned to any function.



Three seat designs are available.



All models have a passenger seat with safety belt

A COMFORTABLE SPACE. EVERYTHING IN VIEW. EVERYTHING TO HAND.

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, automatic PTO, hydraulic control valves and the light as well as the MMS for the InfoCentre<sup>Pro</sup> 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 PowerCom S joystick on the right armrest. The new InfoCentre<sup>Pro</sup>

in the steering column 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.





Agrosky receiver: all Precision Farming signals can be received with a single device.



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



 $\ensuremath{\mathsf{MMI}}$  console: convenient system control even when travelling over challenging terrain.



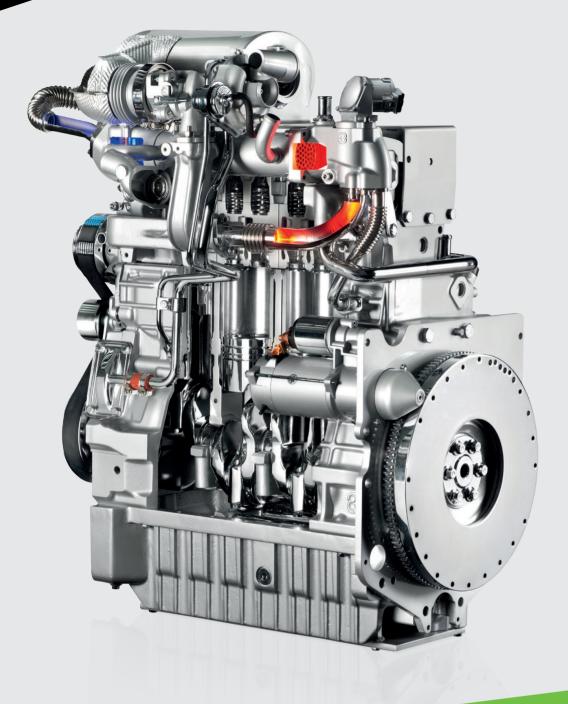
Unique operating comfort. The  $8\mbox{\ensuremath{"}}$  iMonitor. Optional interface for all tractor and equipment functions.

## PRECISION FARMING. PROGRAMMED FOR EFFICIENCY.

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 wheel angle sensor is also available as an equipment option to increase the efficiency of the new 6 Series models. An ISO 11783 ISOBUS

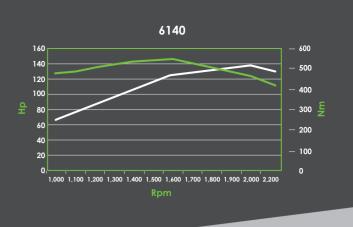
interface at the rear makes your new 6 Series model digitally compatible with the implements of major manufacturers. Whatever you choose, all DEUTZ-FAHR Precision Farming systems are displayed on a single screen with an 8" monitor, including a camera image from one or two feeds, and can be operated using 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.





#### Highlights:

- Electronically controlled four-cylinder Tier 4i engines
- Compliance through the use of DOC and EGR (No AdBlue)
- High torque across broad engine rev range
- Electronic Visco fan
- Exhuast Brake for 40% more braking performance





The DOC converts unburned harmful gas particles in to CO2, Nitrogen and water vapour while remaining effective throughout the service life of the engine without the need for regular maintenance or active regeneration.



The EGR uses a wastegate regulated by the engine control panel to single out the element of exhaust gas containing NOx emissions. It then cools the gases to prevent a decrease in combustion efficiency (power loss), before recirculating through the combustion chamber, thus minimising Nitrogen Oxides, one of the major contributing pollutants in Diesel engine combustion.

### MAXIMUM EFFICIENCY WITH THE DEUTZ-FAHR FARMOTION ENGINE

Designed specifically for use in the agriculture sector, the 3.849cc FARMotion engine featuring tier 4i compliance is a 4 cylinder turbo intercooled, electronically controlled engine. The fuel supply system uses new 7-hole injectors and Common Rail technology with maximum operative pressures of up to 2000 bar. This maximises the immediate response to sudden load variations and at the same time decreases polluting emissions.

The new, sturdier FARMotion engines use cylinders with thicker, extractable liners and a new, forged steel crankshaft to make them more robust and give improved balance. The engine block has been strengthened for increased reliability and durability; this is appreciated most when working with a front-end loader.

Maintenance of the FARMotion is now even easier, thanks largely in part, to the single, multi-purpose belt with automatic tensioner, and the

automatic, hydraulic valve lash adjuster, both completely maintenance free

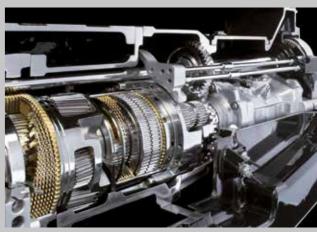
Dedicated sensors constantly monitor and optimise all the operating parameters and diesel injection is adjusted to ensure a stable, constant performance when changing powershifts. The response to speed and load variations is rapid, direct and precise.

The engine has been designed to meet stringent emissions compliance standards, but without requiring any additional maintenance or engine additives. Through the use of a Diesel Oxidation Catalyst (DOC) and cooled Exhaust Gas Recirculation (EGR), the FARMotion engine achieves Tier 4i emissions compliance while maintaining optimum performance and minimum downtime.



## 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 work in the field, 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.



Proven and reliable transmission technolog



Working mode (FIELD/TRANSPORT) can be selected electro-hydraulically: FIELD/TRANSPORT mode can be changed in standstill or while driving (max. 15 km/h)

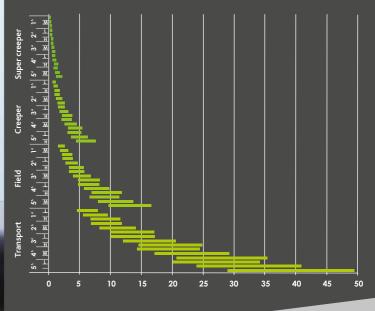


Electro-hydraulic Powershuttle SenseClutch for precise and safe changes of direction while driving and with load without interruption of torque.



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







Key operating functions are integrated comfortably in the consolle.



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

### POWERSHIFT TRANSMISSION. YOU HAVE COMPLETE CONTROL.

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 manoeuvring 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.







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.

SUSPENDED FRONT AXLE. ALL SITUATIONS. A GRIP ON EVERYTHING. 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 electro-hydraulic 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. The suspension travel has been maximised with double-acting cylinders. This significantly in-

creases 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.





# 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 outputof 90 l/min and mechanically controlled valves, a 120 l/min load sensing package with mechanically controlled valves or a 120 l/min load sensing package with electronically controlled valves. Within these three basic packages, no fewer than 22 equipment options are available – from three simple, 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.



Mechanical or electro-hydraulic equipment control. The choice is your



Impressive characteristics: a lifting capacity of up to 7,000 kg, Category III



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 PTC optional

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.





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



For even more versatility: optional front PTO



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



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



Agrosky Receiver. All Precision Farming signals can be received by a single device.



Stop&Go and SDD rapid steering system.

ADDITIONAL EQUIPMENT. WHEN EVERYTHING IS NOT ENOUGH.

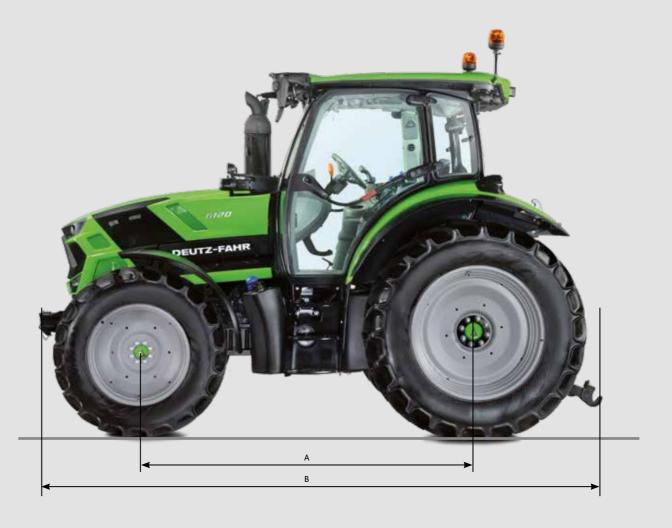
You can choose from a wide range of additional equipment from the factory in order to optimise the new DEUTZ-FAHR 6 Series models for specific applications or to maximise comfort. From front ballasting, front hydraulics, and a front PTO to LED light packag-

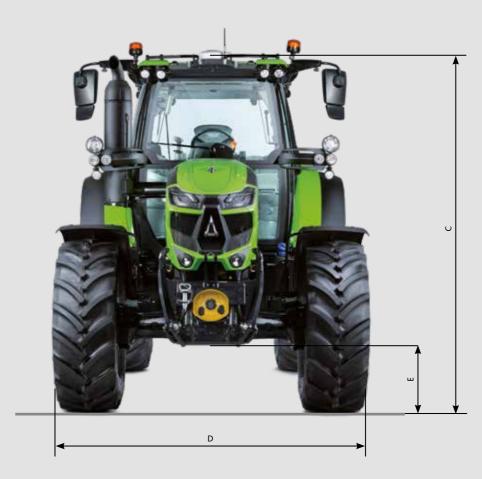
es and Precision Farming systems – original equipment will ensure that everything is a perfect fit and the quality is right. If you have even more specific requirements, your DEUTZ-FAHR dealer will be pleased to help.



Technical data		6 SERIES AGROTRON				
Technical data		6120 TTV 6130 TTV 6140 TTV				
ENGINE						
Engine	type	FARMotion	FARMotion	FARMotion		
Cylinder/Displacement	n°/cc	4 / 3.849	4 / 3.849	4 / 3.849		
Aspiration	system	Turbo Intercooler	Turbo Intercooler	Turbo Intercooler		
njection @ pressure	type	Common Rail @ 2,000 bar	Common Rail @ 2,000 bar	Common Rail @ 2,000 bar		
Max. power @ 2,000 rpm	kW / Hp	85 / 116	93 / 126	100 / 136		
		80.6 / 110	88.2 / 120	94.9 / 129		
Rated power @ 2,200 rpm	kW / Hp					
Max. torque @ 1,600 rpm	Nm	462	506	544		
Forque rise	%	32	30	28		
/iscostatic engine fan		•	•			
Electronic viscostatic fan		0	0	•		
Fuel tank capacity	Litres	200	200	200		
TV TRANSMISSION Manufacturer		CDE	SDE	CDF		
		SDF	SDF	SDF		
Model		T5431 CVT	T5451 CVT	T5451 CVT		
lectro-hydraulic reverse shuttle Powershuttle vith 5 adjustable settings		•	•	•		
peed ranges	No.	2 (field/transport) electro-hydraulic controls	3 (field/transport) electro-hydraulic controls	4 (field/transport) electro-hydraulic control		
Max. speed	km/h	50 (40 with reduced engine speed)	50 (40 with reduced engine speed)	50 (40 with reduced engine sp		
PowerZero system		•	•	•		
Hydraulic parking brake		•	•	•		
Electro-hydraulic four-wheel activation		•	•	•		
Electro-hydraulic differential lock activation, ront and rear		•	•	•		
ASM system		•	•	•		
ront axle		SDF 2	SDF 2.5	SDF 2.5		
Front axle suspension		0	0	0		
Rear PTO 540/540 Eco/1000		•	•	•		
Front PTO 1000		0	0	0		
HYDRAULICS SYSTEM		Ü	<u> </u>	Ü		
	Litros/min	00 apan contra / 120 LC	00 seen centre / 120 LC	00 coop contro / 120 LC		
Delivery rate	Litres/min	90 open centre / 120 LS	90 open centre / 120 LS	90 open centre / 120 LS		
Auxiliary control units at rear	No.	3 / 4 mechanical	3 / 4 mechanical	3 / 4 mechanical		
•		4/5 electro-hydraulic	4/5 electro-hydraulic	4/5 electro-hydraulic		
Electronically controlled rear hitch (EHR)		•	•	•		
ifting capacity of rear hitch	kg	5,000	5,000	7,000		
G ,	6	7,000 with additional lifting cylinder	7,000 with additional lifting cylinder	.,500		
Rear hitch category		II / III	11 / 111	11 / 111		
ront linkage		0	0	0		
ifting capacity of front linkage	kg	2,880	2,880	2,880		
neumatic trailer braking system		0	0	0		
ront loader Light and Ready Kit		0	0	0		
Hydraulic trailer brake valve		0	0	0		
CAB						
		Hydro silent blocks/mechanical/	Hydro silent blocks/mechanical/	Hydro silent blocks/mechan		
Cab suspension		pneumatic	pneumatic	pneumatic		
nstrument panel		InfoCentre <sup>Pro</sup>	InfoCentre <sup>Pro</sup>	InfoCentre <sup>Pro</sup>		
3" iMonitor		0	0	0		
Driver's seat		Mechanical/Pneumatic	Mechanical/Pneumatic	Mechanical/Pneumatic		
Air conditioning		0	0	0		
Panoramic sunroof		0	0	0		
FOPS sunroof		0	0	0		
		0	0	0		
ED working headlights						
DD steering system		0	0	0		
DIMENSIONS AND WEIGHTS						
M 1b	mm	2,540	2,550	2,550		
Wheelbase .ength	mm	4,428	4,428	4,428		
	mm mm kg	4,428 2,025 8,000	4,428 2,025 9,000	4,428 2,025 9,000		

<sup>●:</sup> Standard O: Optional -: Not available





<sup>\*</sup>Minimum length: from bonnet to rear lift arm in raised position / Maximum length: from 1,000 kg front ballast 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.

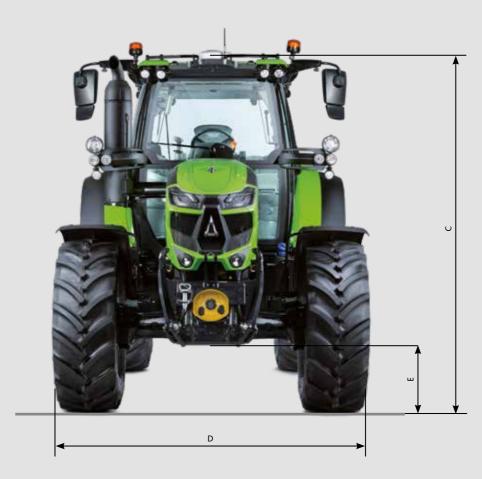
<sup>\*:</sup> depending on standard or optional equipment.

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	OWERSHIFT 6140 POWERSHIF		
ENGINE						
Engine	type	FARMotion	FARMotion	FARMotion		
Cylinder/Displacement	n°/cc	4 / 3.849	4 / 3.849	4 / 3.849		
Aspiration	system	Turbo Intercooler	Turbo Intercooler	Turbo Intercooler		
Injection @ pressure	type	Common Rail @ 2,000 bar	Common Rail @ 2,000 bar	Common Rail @ 2,000 bar		
Max. power @ 2,000 rpm	kW / Hp	85 / 116	93 / 126	100 / 136		
Rated power @ 2,200 rpm	kW / Hp	80.6 / 110	88.2 / 120	94.9 / 129		
Max. torque @ 1,600 rpm	Nm	462	506	544		
Torque rise	%	32	30	28		
Viscostatic engine fan		•	•			
Electronic viscostatic fan		0	0	•		
Fuel tank capacity	Litres	200	200	200		
POWERSHIFT TRANSMISSION						
Manufacturer		SDF	SDF	SDF		
Model		T5430	T5450	T5450		
Electro-hydraulic reverse shuttle Powershuttle		•				
with 5 adjustable settings		•	•	•		
5-speed gearbox with triple Powershift speeds		•	•	•		
Number of speeds	FW+RV	30+30	30+30	30+30		
Number of speeds with underdrive and supercreeper gear	FW+RV	60+60	60+60	60+60		
Max. speed	km/h	50 (40 with reduced engine speed)	50 (40 with reduced engine speed)	50 (40 with reduced engine sp		
Stop&Go system		•	•	•		
Hydraulic parking brake		•	•	•		
Electro-hydraulic four-wheel activation		•	•	•		
Electro-hydraulic differential lock activation,		•	•	•		
ront and rear						
ASM system Front axle		SDF 2	SDF 2.5	SDF 2.5		
Front axle suspension		0	0	0		
Rear PTO 540/540 Eco/1000/1000 Eco		•	•	•		
Front PTO 1000		0	0	0		
HYDRAULICS SYSTEM		<u> </u>	<u> </u>	<u> </u>		
Delivery rate	Litres/min	90 open centre / 120 LS	90 open centre / 120 LS	90 open centre / 120 LS		
Delivery rate	Littles/IIIIII	3 / 4 mechanical	3 / 4 mechanical	3 / 4 mechanical		
Auxiliary control units at rear	No.	4/5 electro-hydraulic	4/5 electro-hydraulic	4/5 electro-hydraulic		
Electronically controlled rear hitch (EHR)		•	• In the control of t	•		
		5,000	5,000			
ifting capacity of rear hitch	kg	7,000 with additional lifting cylinder	7,000 with additional lifting cylinder	7,000		
Rear hitch category		11 / 111	11 / 111	11 / 111		
ront linkage		0	0	0		
ifting capacity of front linkage	kg	2,880	2,880	2,880		
neumatic trailer braking system		0	0	0		
ront loader Light and Ready Kit		0	0	0		
Hydraulic trailer brake valve		0	0	0		
CAB						
Cab suspension		Hydro silent blocks/mechanical/ pneumatic	Hydro silent blocks/mechanical/ pneumatic	Hydro silent blocks/mechanic pneumatic		
nstrument panel		InfoCentre <sup>Pro</sup>	InfoCentre <sup>Pro</sup>	InfoCentre <sup>Pro</sup>		
3" iMonitor		0	0	0		
Oriver's seat		Mechanical/Pneumatic	Mechanical/Pneumatic	Mechanical/Pneumatic		
Air conditioning		0	0	0		
Panoramic sunroof		0	0	0		
FOPS sunroof		0	0	0		
.ED working headlights		0	0	0		
SDD steering system		0	0	0		
DIMENSIONS AND WEIGHTS						
Wheelbase	mm	2,540	2,550	2,550		
Length (Control of Control of Con	mm	4,428	4,428	4,428		
Height (centre of rear axle to roof)	mm	2,025	2,025	2,025		
Maximum permitted total weight	kg	8,000	9,000	9,000		

<sup>•:</sup> Standard O: Optional -: Not available





<sup>\*</sup>Minimum length: from bonnet to rear lift arm in raised position / Maximum length: from 1,000 kg front ballast 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.

<sup>\*:</sup> depending on standard or optional equipment.





