

# 6 SERIES



DEUTZ-FAHR

6120.4 - 6130.4 - 6140.4 - 6140

6150.4 - 6160.4 - 6150 - 6160

6180 - 6190 - 6210 Agrottron







### INTELLIGENCE RISES TO POWER.

The intelligent use of technology finds its ultimate achievement in the new 6 Series: minimal fuel consumption, emissions in line with the most rigorous standards and maximum efficiency to boost productivity. A winning combination for those looking for performance of the highest level. The models of the 6 Series represent a significant evolution in mid-high power tractors with Powershift transmissions: no longer just

simple workhorses, but efficient, productive, versatile machines that respect the environment. From ploughing to road transport, and from general farm tasks to working with both front and rear implements, the innovative Deutz Tier 4i engines with SCR (Selective Catalytic Reduction) technology are ready for the challenges of the future: matching superlative performance with a low environmental impact.



# 4 OR 6 CYLINDERS TO CATER FOR EVERY POSSIBLE NEED.



The 6 Series represents a major evolutionary step forward in the mid to high power tractor segment. A 4 cylinder model is the ideal choice for applications where versatility and agility are needed, while 6 cylinder models are the right answer for jobs where performance is crucial. A wide choice of models, variants and configurations covers a vast range of applications: from tillage, seeding, crop treatment and

harvesting to fast transport by road. The extraordinary versatility of the 6 Series makes it perfect for both medium sized farms using the tractor as an all-rounder and for farming contractors using their tractors for intense, uninterrupted work, where reliability is a crucial prerequisite.





6 SERIES.  
A COMPREHENSIVE PACKAGE  
OF TECHNOLOGICAL  
EFFICIENCY.



## ADVANTAGES IN BRIEF.

The S-Class<sup>2</sup> cab - quiet, comfortable and ergonomic.

Transmissions with 48+48 or 40+40 speeds, with 4 or 6 mechanical or semi-automatic gear changes (Cshift) and 4 Powershift speeds, with Automatic Powershift, SpeedMatching, SenseShift, SenseClutch and ComfortClutch.

4 speed proportional drive engagement PTO.

Integrated front hitch and front PTO with Comfort control.

Pre-wired for Isobus and Agrosky satellite guidance system as an option.

Hydraulic front axle suspension and air sprung cab suspension working in perfect unison.

Powerful and environmentally friendly 4 or 6 cylinder DEUTZ engines with DCR and SCR technology.

High flow closed or open circuit hydraulic system with a delivery of up to 120 l/min and up to 7 programmable auxiliary valves.

360° illumination with a comprehensive selection of work lights, which are also available with Xenon technology.

Main transmission, hydraulic system and engine controls on multifunction armrest.

Rear wheels up to 42" for positive traction and reduced soil compaction.

Lift capacity up to 9.2 tonnes: no implement gets left on the ground.

State of the art Deutz engines are complemented perfectly by efficient Powershift transmissions, which in turn work in combination with class-beating hydraulic systems: the result is ideal technological synergy, with built-in efficiency engineered into every single system to optimize the productivity of the machine and create even greater value for the customer. The ideal tractor is not simply a machine with enough power to perform tasks around the farm, but also the tractor that offers the best possible economy in terms of both fixed and variable operating costs - the most significant of which today being the cost of fuel. This is why for years, DEUTZ-FAHR has pursued a philosophy it calls Power Efficiency - implementing the best technological systems in every aspect of its products for maximum cost-effectiveness and superior performance. The 6 Series represents this philosophy put into practice.





QUALITY ASSURED... THOUSANDS  
OF TIMES





With over 60,000 units produced to date, the DEUTZ-FAHR Agrottron is one of the best selling German tractors in the world. This is a tractor whose outstanding productivity and versatility have been proven by over 100 million operating hours.

#### *YOU'LL BE CONVINCED.*

The 6 Series was also developed by German engineering and is manufactured in Lauingen. Visit the DEUTZ-FAHR factory to see the excellent quality built into its production methods and the professionalism of its highly qualified personnel for yourself.

#### *DEVELOPED TOGETHER WITH YOU.*

To create its products, DEUTZ-FAHR works in close collaboration with farmers and farming contractors, involving them in every stage of the development process. Work teams made up of experts in each specific field contribute to every stage in development to ensure that all requirements are fully satisfied.

#### *A STATE OF THE ART DEVELOPMENT CENTRE.*

DEUTZ-FAHR boasts one of the world's most advanced technological development centres for agricultural machinery. Our testing centres analyse the durability and function of every component in a tractor in long term tests. The results of this testing play a crucial role in the development of our machines.





S-CLASS<sup>2</sup> CAB. QUIET,  
COMFORTABLE AND  
ERGONOMIC.





## THE DEUTZ-FAHR CLEAR VIEW CONCEPT.

Large screens and windows, rounded mudguards and a sloped hood form the core principles of the DEUTZ-FAHR clear view concept. The high visibility roof and a rear screen that extends downwards further improve both front and rear visibility, which are crucial when working with the loader and hitching implements.



## THE PERFECT CLIMATE

The powerful ventilation system delivers a generous air flow distributed uniformly throughout the cab through numerous vents situated around the driver. Air is aspirated into the cab through two filters situated on the cab pillars.



## A LEGENDARY CAB

The S-Class<sup>2</sup> cab of the 6 Series is the next evolution of the legendary Agrottron cab. Large windows and screens combined with narrow pillars offer perfect 360° visibility. The all-new interior boasts attractive colours and high quality materials. A selection of storage areas arranged logically around the cab let you stow documents safely, while the chilled

beverage holder is big enough even for large bottles. And with a padded passenger seat with safety belt, your passenger will also feel right at home in the cab.



## POWERCOMS CONTROL LEVER WITH COMFORTIP.

- 1 Electrohydraulic control for auxiliary valve 1
- 2 Electrohydraulic control for auxiliary valve 2
- 3 Hydraulic reverse shuttle forward/reverse control
- 4 Control for Hitch raise/lower/Quick soil engagement and EHR activation
- 5 Lock/unlock hitch
- 6 Automatic Powershift selector
- 7 Engine speed control programming
- 8 Electronic hand throttle
- 9 Neutral (transmission)
- 10 Differential lock
- 11 Engage dual traction
- 12 Control joystick for distributors 3 and 4
- 13 Automatic differential lock and dual traction control
- 14 Engage/disengage front axle suspension
- 15 Automatic Powershift management and programming



# POWERCOMS ARMREST: EVERYTHING IN ITS PLACE





## MAKING YOUR WORK SIMPLER AND MORE COMFORTABLE.

All the control levers and switches in the 6 Series are colour-coded by function. The controls are logically arranged and situated within easy reach on the console to the right of the driver. The multi-function armrest with PowerComS joystick incorporates all the primary functions of the tractor: with controls for powershift speed selection, activating and controlling the rear hitch and hydraulic valves, managing the ComforTip function and even the reverse shuttle. This lets the driver perform all operations and manoeuvres necessary without taking his hand off the PowerComS. This offers many advantages in terms of time savings, safety and quicker reaction times when working, as all the controls are easy-to-hand and responsive.

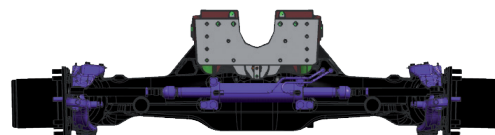




## COMFORT AND SAFETY: MAXIMISE YOUR PRODUCTIVITY

Whether in the field, on the road or working with the front loader, the 6 Series offers excellent comfort during all operations. The front axle suspension, cab suspension and drivers seat suspension work in unison to smooth out even the most uneven terrain, while the new Sense Shift transmission ensures smooth shifts even under load. Automatic functions offered as standard for engaging/disengaging 4WD, the differential lock and PTO reduces the daily workload on the driver, while external duplicate controls for the PTO, hitch and hydraulic valves make hitching implements easier.





## FRONT AXLE SUSPENSION

The front axle suspension of the new 6 Series consists of a sturdy oscillating axle, two hydraulic rams and an electronic control system. This lets the driver lock or unlock the front suspension in relation to the needs of the job in hand. This offers an enormous advantage not only for front loading applications, but also, for instance, during particularly difficult pulling jobs in the field, where implement depth must be maintained precisely while also maximizing tractive force.



## CAB SUSPENSION

The air suspension cab system uses two large pneumatic rams to sustain the weight of the cab itself. An automatic level control function keeps the cab at the correct height at all times regardless of the weight of the driver. This system also maintains constant suspension travel in all conditions. Unlike a hydraulic system, external temperature has no effect on performance or driver comfort.

## HIGH PERFORMANCE BRAKES.

To maximize active and passive safety, DEUTZ-FAHR took a no compromise approach in creating a braking package using the best technology currently available. The Power Brake system is already renowned for offering outstanding braking power combined with total driver comfort. Yet another step forward in terms of safety, these tractors are available with optional wet disc front brakes which offer car-like braking without requiring automatic 4-wheel drive engagement.

## ASM SYSTEM

In relation to speed and steering angle, the electronic control unit automatically engages or disengages 4WD and the differential locks to maximize available traction for ploughing and ensure positive, safe maneuverability during headland turns.







# ASTONISHING ECONOMY





## ENGINE.

Boasting innovative AdBlue® technology, the engines of the 6 Series combine extraordinary performance with outstanding fuel economy. All these engines are compatible with fuels containing up to 100% biodiesel (B100), giving you the freedom to choose the most cost-effective fuel for your needs.

## TRANSMISSION

Boasting a simple, logical construction, the SenseShift transmission matches low power absorption with superior efficiency. With perfectly spaced ratios and smooth gear shift activation, the transmission keeps the engine working at optimum speed in all conditions.

## PTOS

With 4 PTO speeds available (2 of which ECO modes), the engine always operates at optimum speed. This saves fuel and increases productivity.

## HYDRAULIC SYSTEM

Featuring a Load Sensing hydraulic system with a variable displacement pump, the tractor always uses only the quantity of oil necessary. On models with the T7140 transmission, the hydraulic oil tank is completely separate from the transmission oil circuit, keeping the oil in the transmission clean and extending oil change intervals.

## S-CLASS<sup>2</sup> CAB.

You'll feel right at home in the cab. Ergonomically arranged controls, which are colour-coded for identification, and numerous automated functions as standard, save time and make your job even more productive and simple.

"Save diesel – Drive Deutz". For decades, this slogan has encapsulated the astonishing fuel economy of DEUTZ-FAHR tractors. Today, however, a lean engine is only one of many factors at play in defining an efficient tractor. "Power Efficiency" is the philosophy applied by DEUTZ-FAHR to develop, design and improve each and every component fitted to its products. Nothing is left to chance: every element is conceived to optimize efficiency, reduce power absorption, minimize fuel consumption, maximize performance and help protect the environment.







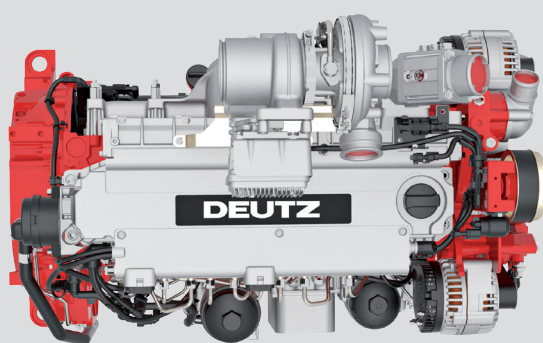
# ASTONISHING POWER.

DEUTZ engines have been synonymous with pure power and economy for over 140 years. Boasting the latest evolution in fuel injection systems and innovative SCR technology, the engines of the 6 Series deliver high power and performance while minimizing fuel consumption. The highly efficient AdBlue® exhaust gas treatment system has made it possible to optimise the fuel consumption of these engines without compromising power.

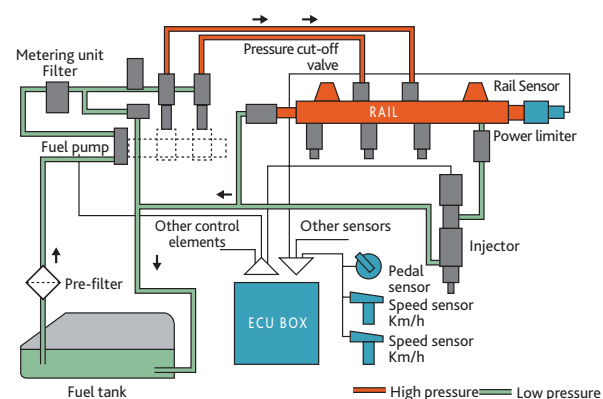
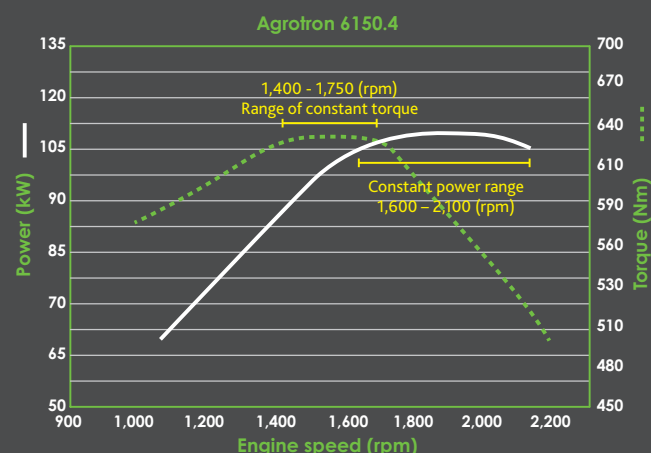
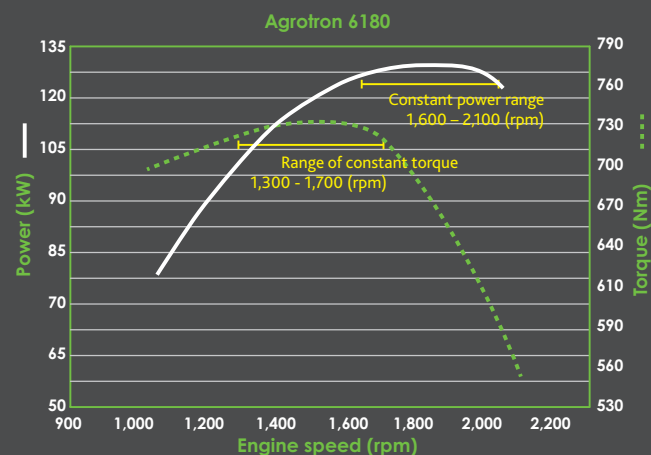
## *EFFICIENT, ECOLOGICAL ENGINES.*

With a choice of 4 or 6 cylinder engine configurations, the 6 Series can be tailored to suit any application. These engines are engineered and built specifically for agricultural use, with maximum torque available at 1400 rpm and maximum power produced at 1800 rpm, while close to maximum power is available almost continuously from 1600 to 2100 rpm - effectively the





entire operating range used in the majority of field applications. A 4 valve cylinder head, turbo-intercooler forced induction with electronically controlled wastegate valve, full electronic control high pressure DCR (Deutz Common Rail) fuel injection operating at pressures up to 1600 bar and SCR catalytic exhaust after-treatment come together in a formidable technological package to maximize the performance of the engine while ensuring excellent specific fuel consumption figures and minimizing emissions.



## MORE EFFICIENT FOR IMPROVED PRODUCTIVITY.

Combined with the new configuration of the combustion chambers, which are incorporated directly into the piston crowns, DCR Common Rail injection maximizes performance and ensures constant power delivery even in the most demanding conditions, with unlimited torque on tap even at very low engine speeds. The result of this a superior tractive power for both tillage and heavy transport applications which, combined with outstanding flexibility, translates to even greater productivity and minimized fuel consumption, noise and vibration at both minimum and rated operating speed. By using the SCR catalytic converter, which optimizes efficiency by reducing emissions without exhaust gas re-circulation, these engines consume up to 10% less fuel than previous versions without SCR with equivalent power outputs.





# UNRIVALLED SHIFT SIMPLICITY: THE RIGHT GEAR, ALWAYS

## THE RIGHT GEAR FOR EVERY JOB.

The transmission of the 6 Series is full of technical features and is offered in three different configurations: T7140, with 4 ranges and 4 Powershift speeds for a total of 48+48 speeds (with super creep gear); T7200, with 6 manual ranges with four speeds each, for a total of 40+40 speeds; T7200 Cshift, with 6 semi-automatic ranges and 4 Powershift speeds, for a total of 40+40 speeds (on the T7200, the super creep gear is available in the four lowest ranges only). With a class beating choice of intelligently spaced speeds and the Speed Matching function, the driver can always maintain the right speed for the job. On all models, the Powershift gearbox is equipped with SenseShift proportional solenoid valves. This function ensures smooth, gradual, jolt-free shifts even under load. With the addition of the electro-hydraulic reverse shuttle, with the SenseClutch function offering different 5 adjustable levels of responsiveness - which is especially useful when maneuvering with front loaders - and the ComfortClutch button-operated clutch control on the shift lever - driver comfort is guaranteed. On the road, the tractor reaches 40 Km/h with the engine at economy speed\*, for extraordinary fuel efficiency and unparalleled noise and vibration comfort. (\*) example: 1550 rpm for the 6160 model; 1,640 rpm for 6150, 6180 and 6190 models (with standard tyres in all cases).





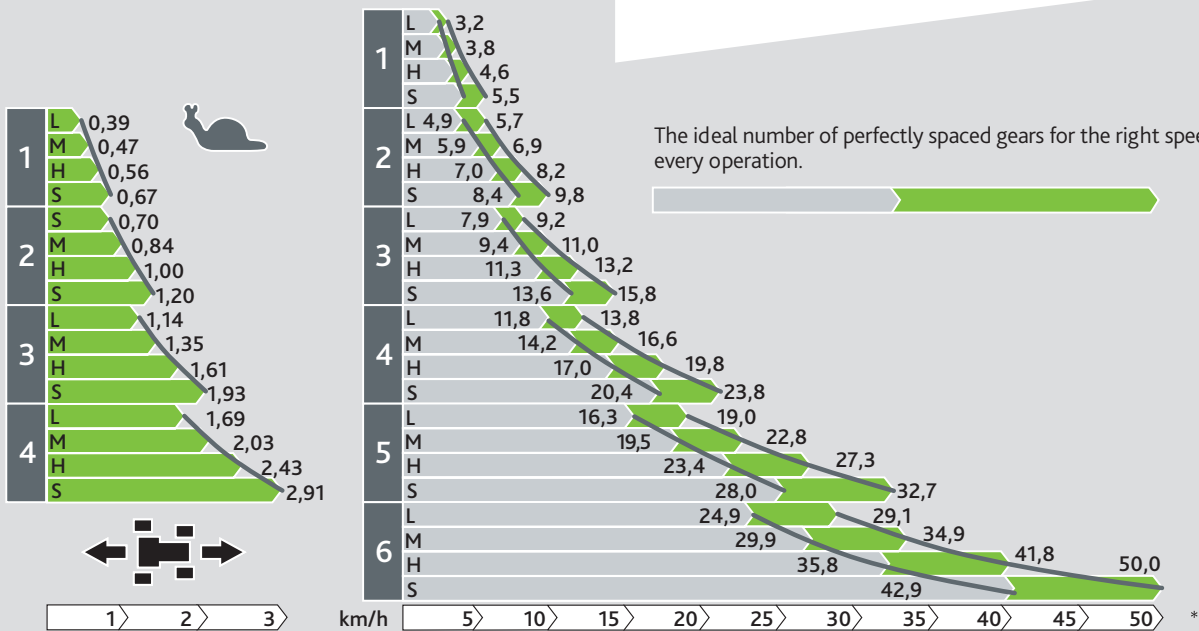
### COMFORT SHIFT TRANSMISSION.

The Cshift semi-automatic shift system (available only on models with the T7200 transmission) lets the driver select all six gear ranges simply from the joystick without pressing the clutch pedal or shifting with a mechanical lever. To shift ranges (from 1 to 6) all you have to do is push or pull the joystick in conjunction with pushing the enable button on the back at the same time. Alternatively, the driver can set the desired gear and let the system automatically select it while optimising engine speed accordingly.

The 6 Series is also offered with the Automatic Powershift transmission - a fully fledged automatic gearbox which automatically selects the most suitable of the 4 Powershift speeds available in each range in relation to load and engine speed. The extremely rapid response times of this transmission are invaluable for applications calling for frequent shifting. This lets the driver concentrate fully on the job in hand while the system optimizes engine efficiency to reduce fuel consumption.



Powershuttle with SenseClutch function: 5 different levels of responsiveness, which can even be selected while on the move.



The ideal number of perfectly spaced gears for the right speed in every operation.



(\*) where permitted by law





PRECISION  
HYDRAULICS.





Standard models armrest console with enhanced rear hitch.

## A CLASS-BEATING HYDRAULIC SYSTEM.

The hydraulic system consists of a 42 l/min pump dedicated to feeding the power steering system and auxiliary circuits and an 83 l/min fixed displacement pump for the auxiliary valves and hitch. A 120 l/min Load Sensing hydraulic system is available as an option, which automatically adjusts delivery in relation to the hydraulic demands of the implements, reducing power loss and fuel consumption while maximizing the lifespan of hydraulic components. The system comes as standard with two double acting mechanically controlled valves (or up to 4 as an option), and may also be supplemented with an additional electronically controlled valve. The higher specification range features 4 electronically controlled double acting valves (or up to 7 as an option). Both specifications are also available with two optional front auxiliary valves. All valves may be locked and used in single or double acting mode, even while the hitch is in use. Both activation time and flow control modes are possible. On models with the T7140 transmission, the hydraulic oil tank is completely separate from the transmission oil circuit, keeping the oil in the transmission clean and extending oil change intervals.

## VERSATILITY AND EASE

The Power-Beyond connection may be used to direct the flow of pressurized oil delivered from the hydraulic pump to one or more hydraulic motors on the implement. This function is particularly useful when using implements with their own hydraulic control valves. The higher available delivery rate improves hydraulic efficiency, which in turn reduces fuel consumption. All 6 Series models are equipped with "push-pull" hydraulic connectors, for trouble-free connection of hydraulic lines even when pressurized. The connectors include an oil recovery system to collect any oil which may escape when connecting lines to implements.



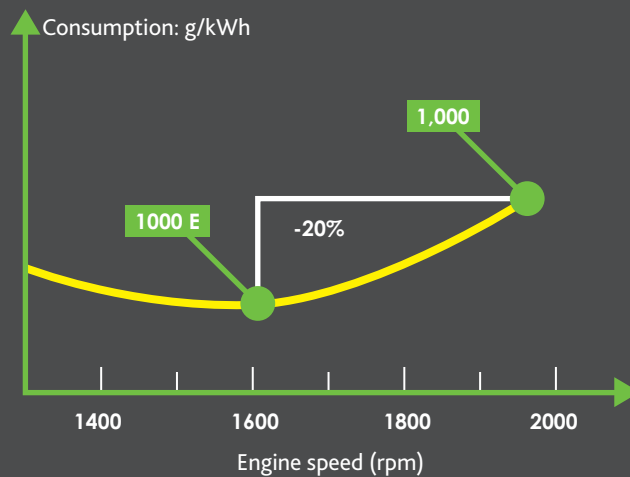


ALL THE POWER  
YOU NEED





## ECONOMY PTO



The economy PTO not only reduces engine speed, but also reduces wear, noise and consumption.



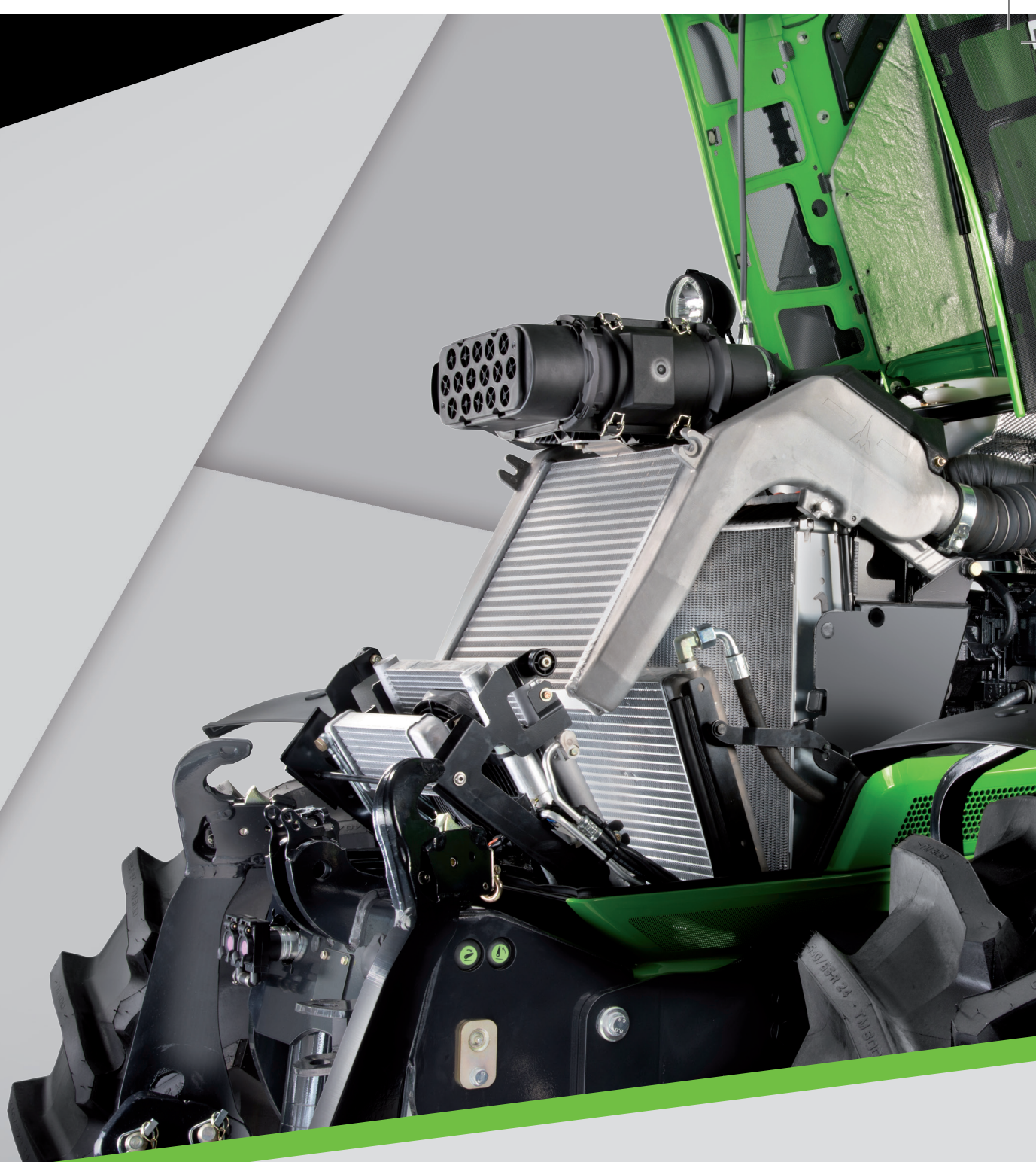
PTO speed selector lever, with practical electro-hydraulic controls for engaging and disengaging.

## A COMPREHENSIVE CHOICE OF PTO OPTIONS.

Having a choice of alternative PTO speed options contributes significantly to increasing the versatility of a tractor and lets you maximize efficiency in applications where not all power of the engine is needed. All 6 Series models offer all four standardized PTO speed modes, with the two normal speeds 540 and 1,000 rpm available in both standard and ECO modes. All modes are selected and engaged electro-hydraulically with an automatic Load Sensing function to ensure that the implements connected are always started progressively and smoothly. A rear PTO with remote controls on the rear mudguards is also offered as standard, while the optional front hitch comes complete with a 1,000 rpm PTO. Models with the T7140 transmission are available with a ground speed PTO with independent shaft.







## SIMPLIFIED SERVICING AND MAINTENANCE





## EVERYTHING IN CLEAR SIGHT.

All levels are easy to check while all the main components are monitored electronically from the cab.

## EASY TO REACH.

All the main maintenance points on the 6 Series are easily accessible from the ground. The radiator assembly is hinged, making it possible to clean the elements of the tractor's cooling system more quickly. All lubrication points are well protected but easily accessible.



## A BREATH OF FRESH AIR.

The multi-stage air intake filter system means that the engine always has plenty of fresh intake air. The cyclone pre-filter fitted as standard includes an automatic dust removal system. The Power Core main filter with back-up filter cartridge ensures total engine protection even when working in very dusty conditions.

## COMFORT IN THE DETAILS

Tractors with a pneumatic system feature an air drier to offer the same levels of safety and comfort as a truck. Water no longer needs to be drained manually from the pneumatic system, and there is no more risk of moisture freezing in the system at low temperatures.

## EXTENDED MAINTENANCE INTERVALS.

Extended filter and oil change intervals drastically reduce running costs. With less time spent on maintenance during the busy season, your work will be even more efficient and productive.

## DEUTZ-FAHR SERVICE.

Your DEUTZ-FAHR dealer and service staff attend corporate training courses every year. This keeps them up to date with the knowledge necessary to always provide a quality service for even the most innovative products and

allows them to recommend the best suited configuration for your needs at the time of purchase, and offer the support you need throughout the lifetime of your tractor. Our partners' professionalism and comprehensive knowledge of our machines will help you make the most out of your tractor and maximise performance. And with the latest diagnostic systems and the right tools for servicing your tractor correctly, our partners are a dependable ally you can always turn to for support.

## SAME DEUTZ-FAHR FINANCE.

Through our specialised partners, we can offer you a financing solution tailored to your needs. Take advantage of our decades of experience and our close relationship with our dealer network when the time comes to sell your used machines. Visit one of our dealers, where our personnel will be happy to offer expert advice.

## ORIGINAL DEUTZ-FAHR SPARE PARTS.

Choose the DEUTZ-FAHR sales and service network to make sure that you always use the right components for your tractor. Using original DEUTZ-FAHR spare parts will keep your tractor working with the reliability and performance you expect.



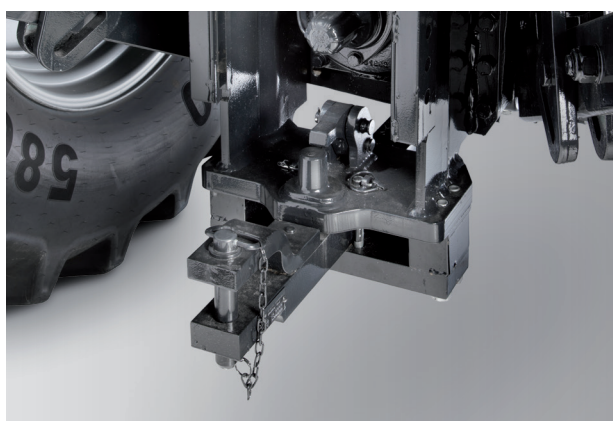


ALL-INCLUSIVE PACKAGE.





Should you wish, the already generous standard equipment of these tractors may be enhanced with a choice of options created to increase productivity and make life on board for the driver even more comfortable. A wide choice of options and accessories is available for the 6 Series. to let you tailor your tractor precisely to the needs of your work. Your DEUTZ-FAHR dealer will be happy to advise you on the most suitable options for your needs.





TECHNICAL DATA		6 SERIES										
		6120.4	6130.4	6140.4	6140	6150.4	6160.4	6150	6160	6180	6190	6210
ENGINE												
Manufacturer		DEUTZ										
Model		TCD 4.1 L4	TCD 4.1 L4	TCD 4.1 L4	TCD 6.1 L6	TCD 4.1 L4	TCD 4.1 L4	TCD 6.1 L06	TCD 6.1 L06	TCD 6.1 L06	TCD 6.1 L06	TCD 6.1 L06
Emissions		Tier 4i	Tier 4i	Tier 4i	Tier 4i	Tier 4i	Tier 4i	Tier 4i	Tier 4i	Tier 4i	Tier 4i	Tier 4i
Cylinders/Capacity		n°/cc	4/4,038	4/4,038	4/4,038	6/6,057	4/4,038	4/4,038	6/6,057	6/6,057	6/6,057	6/6,057
Intake Turbo Intercooler			•	•	•	•	•	•	•	•	•	•
Viscous fan			•	•	•	•	•	•	•	•	•	•
Deutz Common Rail (DCR)		bar	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600
Max. power (ECE R120)		kW/hp	87/118	94.3/128	99.2/135	99.2/135	112.8/153	122/166	112.8/153	122/166	129.5/176	142/194
Max. power with boost (ECE R120)		kW/hp	-	-	106.1/144	106.1/144	-	-	-	-	-	-
Power at rated engine speed, with boost (ECE R 120)		kW/hp	-	-	103.7/141	103.7/141	-	-	-	-	-	-
Power at rated engine speed (ECE R 120)		kW/hp	83.9/114	91/124	95.4/130	95.4/130	104/141	115/156	104/141	115/156	123/167	135/184
Max. homologated power at rated speed (2000/25/EC)		kW/hp	83.9/114	91/124	103.7/141	103.7/141	102.5/139	112.7/153	104/141	120/163	128/174	142/193
Engine speed at maximum power		rpm	1,900	1,900	1,900	1,900	1,900	1,900	1,900	1,900	2,000	2,000
Max. engine speed (rated)		rpm	2,200	2,200	2,200	2,200	2,100	2,100	2,100	2,100	2,100	2,100
Max. torque		Nm	481	546	628	628	605	672	605	672	740	820
Engine speed at maximum torque		rpm	1,600	1,400	1,400	1,400	1,600	1,600	1,600	1,600	1,600	1,600
Torque rise		%	31	38	40	40	33	32	33	32	31	34
Electronic engine governor			•	•	•	•	•	•	•	•	•	•
Air filter with dust ejector			•	•	•	•	•	•	•	•	•	•
Exhaust on cab A-pillar			•	•	•	•	•	•	•	•	•	•
Fuel tank capacity		litres	200	200	200	200	200	200	280	280	280	280
AdBlue® tank capacity		litres	28	28	28	28	28	28	35	35	35	35
Biodiesel fuel (EN 14214)		%	B100	B100	B100	B100	B100	B100	B100	B100	B100	B100
TRANSMISSION												
Manufacturer		ZF	ZF	ZF	ZF	ZF	ZF	ZF	ZF	ZF	ZF	ZF
Model		T7140	T7140	T7140	T7140	T7224	T7226	T7224	T7226	T7229	T7230	T7232
Number of speeds		n°	32+32	32+32	32+32	32+32	24+24	24+24	24+24	24+24	24+24	24+24
Number of speeds with super creep gear		n°	48+48	48+48	48+48	48+48	40+40	40+40	40+40	40+40	40+40	40+40
Powershift number of speeds		n°	4	4	4	4	4	4	4	4	4	4
Minimum speed with super creep gear		km/h	0.30	0.30	0.30	0.30	0.40	0.41	0.40	0.41	0.39	0.39
Max. speed		km/h	50	50	50	50	50	50	50	50	50	50
Overspeed (40 Km/h Eco)			•	•	•	•	•	•	•	•	•	•
Semi-automatic range shift function (Cshift only)			-	-	-	-	•	•	•	•	•	•
Automatic Powershift*			•/o	•/o	•/o	•/o	•/o	•/o	•/o	•/o	•/o	•/o
SpeedMatching*			•/o	•/o	•/o	•/o	•/o	•/o	•/o	•/o	•/o	•/o
SenseShift			•	•	•	•	•	•	•	•	•	•
Hydraulic reverse power shuttle			•	•	•	•	•	•	•	•	•	•
ComfortClutch			•	•	•	•	•	•	•	•	•	•
SenseClutch with 5 selectable levels of modulation			•	•	•	•	•	•	•	•	•	•
Electro-hydraulically operated multiplate wet clutch			•	•	•	•	•	•	•	•	•	•
PTO												
540/540ECO/1,000/1,000ECO PTO			•	•	•	•	•	•	•	•	•	•
Ground Speed PTO			o	o	o	o	-	-	-	-	-	-
AUTO PTO			•	•	•	•	•	•	•	•	•	•
Front PTO			o	o	o	o	o	o	o	o	o	o



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AXLES AND BRAKES												
Electrohydraulically operated front and rear differential lock		●	●	●	●	●	●	●	●	●	●	●
Suspended front axle		○	○	○	○	○	○	○	○	○	○	○
Front wheel drive electrohydraulically engaged		●	●	●	●	●	●	●	●	●	●	●
Electrohydraulically engaged differential lock		●	●	●	●	●	●	●	●	●	●	●
ASM system		●	●	●	●	●	●	●	●	●	●	●
Rear braking action with DT engagement		●	●	●	●	●	●	●	●	●	●	●
4-wheel braking		○	○	○	○	○	○	○	○	○	○	○
PowerBrake		●	●	●	●	●	●	●	●	●	●	●
Mechanical parking brake		●	●	●	●	●	●	●	●	●	●	●
Trailer hydraulic braking valve		○	○	○	○	○	○	○	○	○	○	○
Trailer pneumatic braking valve		○	○	○	○	○	○	○	○	○	○	○
Pneumatic + hydraulic trailer braking valve		○	○	○	○	○	○	○	○	○	○	○
Hydrostatic steering with independent pump		●	●	●	●	●	●	●	●	●	●	●
Pump output	l/min	42	42	42	42	42	42	42	42	42	42	42
Steering angle	degrees	52°	52°	52°	52°	52°	52°	52°	52°	52°	52°	52°
Front mudguards steering		○	○	○	○	○	○	○	○	○	○	○
HYDRAULIC SYSTEM AND HITCH												
Manufacturer		Bosch	Bosch	Bosch	Bosch	Bosch	Bosch	Bosch	Bosch	Bosch	Bosch	Bosch
Fixed displacement pump delivery (std)	l/min	70	70	70	70	84	84	84	84	84	84	84
Fixed displacement pump output (opt)	l/min	90	90	90	90	-	-	-	-	-	-	-
Variable displacement pump output (opt)	l/min	120	120	120	120	120	120	120	120	120	120	120
Open-centre hydraulic system		●	●	●	●	●	●	●	●	●	●	●
Closed centre hydraulic system (Load Sensing)		○	○	○	○	○	○	○	○	○	○	○
Mechanical rear auxiliary distributors	n°	2/4	2/4	2/4	2/4	2/4	2/4	2/4	2/4	2/4	2/4	2/4
Electrohydraulic rear auxiliary distributors*	n°	4	4	4	4	4	4	4	4	4	4	4
Auxiliary rear hydraulic distributors (opt)	n°	5,6,7	5,6,7	5,6,7	5,6,7	5,6,7	5,6,7	5,6,7	5,6,7	5,6,7	5,6,7	5,6,7
Front auxiliary hydraulic distributors (opt)	n°	1	1	1	1	1	1	1	1	1	1	1
Electrohydraulic control with flow regulator and timer functions*		●/○	●/○	●/○	●/○	●/○	●/○	●/○	●/○	●/○	●/○	●/○
Power-Beyond		○	○	○	○	○	○	○	○	○	○	○
Max. usable oil volume	litres	40	40	40	40	40	40	40	40	40	40	40
Separate oil tank		●	●	●	●	-	-	-	-	-	-	-
Electrohydraulically controlled rear hitch		●	●	●	●	●	●	●	●	●	●	●
Radar		○	○	○	○	○	○	○	○	○	○	○
Rear hitch lift capacity (std)	kg	6,200	6,200	6,200	6,200	9,200	9,200	9,200	9,200	9,200	9,200	9,200
Rear hitch lift capacity (opt)	kg	9,200	9,200	9,200	9,200	-	-	-	-	-	-	-
Right hand tie-rod and third mechanical point		●	●	●	●	●	●	●	●	●	●	●
Right hand tie-rod and third hydraulic point		○	○	○	○	○	○	○	○	○	○	○
Auto-hitch coupling bars		●	●	●	●	●	●	●	●	●	●	●
Controls on mudguard		●	●	●	●	●	●	●	●	●	●	●
Mechanical front hitch with retractable coupling bars		○	○	○	○	○	○	○	○	○	○	○
Maximum lifting capacity	kg	3800	3800	3800	3800	3800	3800	3800	3800	3800	3800	3800
Quick couplers		●	●	●	●	●	●	●	●	●	●	●

STD ● OPT ○

- Not available

\* Optional or standard depending on version



TECHNICAL DATA		6 SERIES										
		6120.4	6130.4	6140.4	6140	6150.4	6160.4	6150	6160	6180	6190	6210
ELECTRICAL SYSTEM												
Voltage	V	12	12	12	12	12	12	12	12	12	12	12
Standard battery	V/Ah	12 / 143	12 / 143	12 / 143	12 / 143	12 / 143	12 / 143	12 / 143	12 / 143	12 / 143	12 / 143	12 / 143
Battery for cold climates	V/Ah	12 / 180	12 / 180	12 / 180	12 / 180	12 / 180	12 / 180	12 / 180	12 / 180	12 / 180	12 / 180	12 / 180
Alternator	V/Ah	14 / 150	14 / 150	14 / 150	14 / 150	14 / 150	14 / 150	14 / 150	14 / 150	14 / 200	14 / 200	14 / 200
Starter motor	V/kW	12 / 4	12 / 4	12 / 4	12 / 4	12 / 4	12 / 4	12 / 4	12 / 4	12 / 4	12 / 4	12 / 4
External power socket		•	•	•	•	•	•	•	•	•	•	•
Power socket for higher current applications		•	•	•	•	•	•	•	•	•	•	•
CAB												
S-Class <sup>2</sup> cab		•	•	•	•	•	•	•	•	•	•	•
PowerComS* joystick		•/o	•/o	•/o	•/o	•/o	•/o	•/o	•/o	•/o	•/o	•/o
Performance Monitor		o	o	o	o	o	o	o	o	o	o	o
Agrosky guidance system		o	o	o	o	o	o	o	o	o	o	o
Max Comfort Professional XL seat, low frequency suspension, air sprung suspension, electronic lumbar support		•	•	•	•	•	•	•	•	•	•	•
Max Comfort Dynamic XL seat, dynamic air sprung suspension, electronic lumbar support		o	o	o	o	o	o	o	o	o	o	o
Padded passenger seat		•	•	•	•	•	•	•	•	•	•	•
Work Display		•	•	•	•	•	•	•	•	•	•	•
Comfortip (Headland Management)*		•/o	•/o	•/o	•/o	•/o	•/o	•/o	•/o	•/o	•/o	•/o
Mechanical cab suspension		•	•	•	•	•	•	•	•	•	•	•
Cab air suspension		o	o	o	o	o	o	o	o	o	o	o
Air conditioning		•	•	•	•	•	•	•	•	•	•	•
Mechanically adjustable rear view mirror		•	•	•	•	•	•	•	•	•	•	•
Rear screen wiper		•	•	•	•	•	•	•	•	•	•	•
Ambient lighting		•	•	•	•	•	•	•	•	•	•	•
Halogen work lights		•	•	•	•	•	•	•	•	•	•	•
HOOKS												
Automatic tow hook		o	o	o	o	o	o	o	o	o	o	o
Height adjustable ball head joint		o	o	o	o	o	o	o	o	o	o	o
Fixed ball head joint		o	o	o	o	o	o	o	o	o	o	o
Oscillating arm		o	o	o	o	o	o	o	o	o	o	o
Pickup hitch		o	o	o	o	o	o	o	o	o	o	o
Piton Fix		o	o	o	o	o	o	o	o	o	o	o
DIMENSIONS AND WEIGHTS												
With front tyres (min)		420/70R24"	420/70R24"	420/70R24"	420/70R24"	230/95R32"	230/95R32"	230/95R32"	230/95R32"	420/85R28"	540/65R28"	540/65R28"
With front tyres (max)		520/70R34"	520/70R34"	520/70R34"	520/70R34"	230/95R48"	270/95R44"	230/95R48"	270/95R44"	520/85R38"	650/65R38"	650/65R38"
With rear tyres (min)		540/65R24"	540/65R24"	540/65R24"	540/65R24"	480/60R28"	540/65R28"	540/65R24"	540/65R28"	540/65R28"	540/65R30"	540/65R30"
With rear tyres (max)		600/65R38"	600/65R38"	600/65R38"	600/65R38"	650/60R38"	650/65R38"	600/65R38"	650/65R38"	650/65R38"	650/65R42"	650/65R42"
Wheelbase (A)	mm	2419	2419	2419	2647	2419	2419	2647	2647	2767	2767	2767
Length (B)	mm	4061-4553	4061-4553	4061-4553	4289-4781	4061-4756	4061-4756	4289-4984	4289-4984	4409-5104	4409-5104	4409-5104
Height (c)	mm	2930-2980	2930-2980	2930-2980	2930-2980	2930-2980	2930-3030	2930-2980	2930-2980	3030-3030	3030-3080	3030-3080
Width (D)	mm	2263-2471	2263-2471	2263-2471	2263-2496	2218-2543	2218-2543	2218-2543	2218-3030	2446-2545	2484-2545	2484-2545
Ground clearance (e)	mm	429-479	429-479	429-479	429-479	429-479	429-529	360-410	360-460	460-460	460-510	460-510
Front unladen weight (min-max)	kg	2000-2715	2000-2715	2000-2715	2120-2835	2150-2865	2150-2865	2150-2865	2170-2885	2300-3015	2380-3095	2380-3095
Rear unladen weight (min-max)	kg	3500-3665	3500-3665	3500-3665	3500-3665	3900-4065	3900-4065	3590-3695	3700-3865	4060-4225	4230-4395	4230-4395
Total unladen weight (min-max)	kg	5500-6380	5500-6380	5500-6380	5620-6500	6050-6930	6050-6930	5740-6560	5870-6750	6360-7240	6610-7490	6610-7490
Max. permissible front weight	kg	4000	4000	4000	4000	4200	4700	4200	4700	4900	5200	5200
Max. permissible rear weight	kg	6600	6600	6600	6600	7300	8400	7300	8400	9000	9200	9200
Max. permissible total weight	kg	10000	10000	10000	10000	10500	10500	10500	10500	11000	13000	13000

STD • OPT o

- Not available

\* Optional or standard depending on version

The technical specifications and images herein are purely indicative. DEUTZ-FAHR reserves the right to update this information at any time without notice.








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