

6 SERIES



DEUTZ-FAHR
6 SERIES PS
6 SERIES RCSHIFT
6 SERIES TTV





**THE NEW 6 SERIES.
THE BEST TECHNOLOGY
MIX IN ITS CLASS.**



6 SERIES AGROTRON		6155		6165		6175		6185		6205		6215	
		PS/ RCshift	TTV	PS/ RCshift	TTV	PS/ RCshift	TTV	PS/ RCshift	TTV	PS/ RCshift	TTV	PS/ RCshift	TTV
Max. power (ECE R120)	kW/HP	114,9/156		120,8/164		129,5/176		138,5/188	134,3/183	152,3/207	149,1/203	156,2/212	
Max. power with boost (ECE R120)	kW/HP	-		125,8/171		-		-	138,5/188	-	152,3/207	166/226	

The agricultural industry is highly diverse. Each individual enterprise has its own totally individual success strategy. Some go for size, others for specialisation. In milk production, in livestock, or in the cultivation of special types of crops. Others successfully adopt a mixed approach in accordance with soil and climate conditions as well as market opportunities. Whether it's a large, medium or small enterprise, a contractor or a local authority, however diverse the profile, they all have one thing in common – they need to be successful. Accordingly, tractor technology needs to 100% match their working profile. Ploughing,

sowing, cultivating, transporting, harvesting crops, front loader work – each individual professional will decide how the tractor will be utilised, along with which specific features are required. DEUTZ-FAHR has developed the new 6 Series with this in mind. With 12 models ranging from 156 to 226 HP, two wheelbases, three transmission variants, two cabin types with different comfort levels, and various other feature options, you can put together the best technology mix in this tractor class, and create your own, totally individual tractor. With the 6 Series, DEUTZ-FAHR has redefined the configurability concept.

WITH EVERY OPERATION IN THE FARMYARD, IN THE FIELD OR ON THE ROAD, 'HOW COMFORTABLE SHOULD A TRACTOR BE?' WITH THE NEW 6 SERIES, DEUTZ-FAHR HAS THE ANSWER: 'AS COMFORTABLE AS YOU WANT IT TO BE.'







CABIN COMFORT
OPTIONS. THE CHOICE IS YOURS.



In general, the higher the driving and operating comfort, the more relaxed the work. And the more relaxed the work, the better the results. For this reason, all 6 Series models offer first class cabin comfort. Unique to the market: You can choose from a multitude of technology, equipment, specification and comfort variants. The choice is yours, based on the intended purpose of the tractor, on the driver's demands and, of course, the economic factors - whatever the requirements, the new 6 Series has all the basis covered. MaxiVision and Max-

iVision 2 cabs offer different operating comfort levels depending on the technological features included. From simple manual gear shift to the most advanced electronic joystick control unique to 6 Series. You can choose between three roof types - a simple green sliding roof, a glass roof with UV absorption or the FOPS safety version for peace of mind while using a front loader. Whatever you choose, the new 6 Series will meet your personal demands.



**MAXIVISION AND MAXIVISION 2.
EVERYTHING FOR A RELAXED
WORKING ENVIRONMENT.**



The highlights:

- Broad configuration options
- Quieter, with reduced vibration and heat thanks to the separation between cab and bonnet
- All round visibility, thanks to the design and use of cab glass, optimised hood dimensions and compact EAT layout
- Up to 40.000 Lumen LED package

The unique features offered by MaxiVision and MaxiVision 2 can be seen inside and also from outside the cab. When it comes to ease of use and ergonomics, the new 6 Series caters for the operator by making best use of the current technology available. The InfoCentre on the dashboard features a 5" colour display, providing the driver with a stream of data about the tractor's operating conditions. It offers maximum convenience in terms of settings and information. On TTV models there is an additional WorkDisplay fitted on the right pillar, performing real time working information. The interior provides a peaceful working environment, with all engine noise, vibrations and heat reduced to a minimum as there is no connection between the cab and engine. The new hood encapsulates the latest, highly contemporary look of the DEUTZ-FAHR tractor family, while its optimised design also ensures outstanding forward visibility. The best possible view of rear attachments is guaranteed by the rearward position of the cab. In order to allow precise, stress-free work in all lighting conditions, it can be fitted with an optional 40.000 lumen LED package with up to 16 working headlights.



State-of-the-art dashboard cluster with new InfoCenter: 5" high-res LCD color display for customisable top information concept.



Up to 16 (IV Generation, 2500 Lumen) LED working lights.



New hood. Maximum view of front implements.



Sunroof with 3 different configurations.

Other features that enhance comfort and functionality are the colour coded controls, the large windows and a new closing system for the right hand door. The air conditioning system – with new automatic functions – optimises the internal temperature, while the largest number of air outlet openings in this tractor class guarantee uniform air distribution like no other model. With the MaxiVision and MaxiVision 2 cabs, you can look forward to extremely comfortable and efficient work.



**INTUITIVE OPERATION FROM
MANUAL TO FULLY AUTOMATIC.**



Hydraulic valves can be managed through proportional and programmable controls. The electronic Joystick can be programmed to use the front-loader and other tractor functions with the thumbwheel.



Standard in all cab configurations, the PTO engagement comes with the easy but safe push-button controls.




Fine tuning front (TTV only) and rear lift control can be operated through dedicated controls.

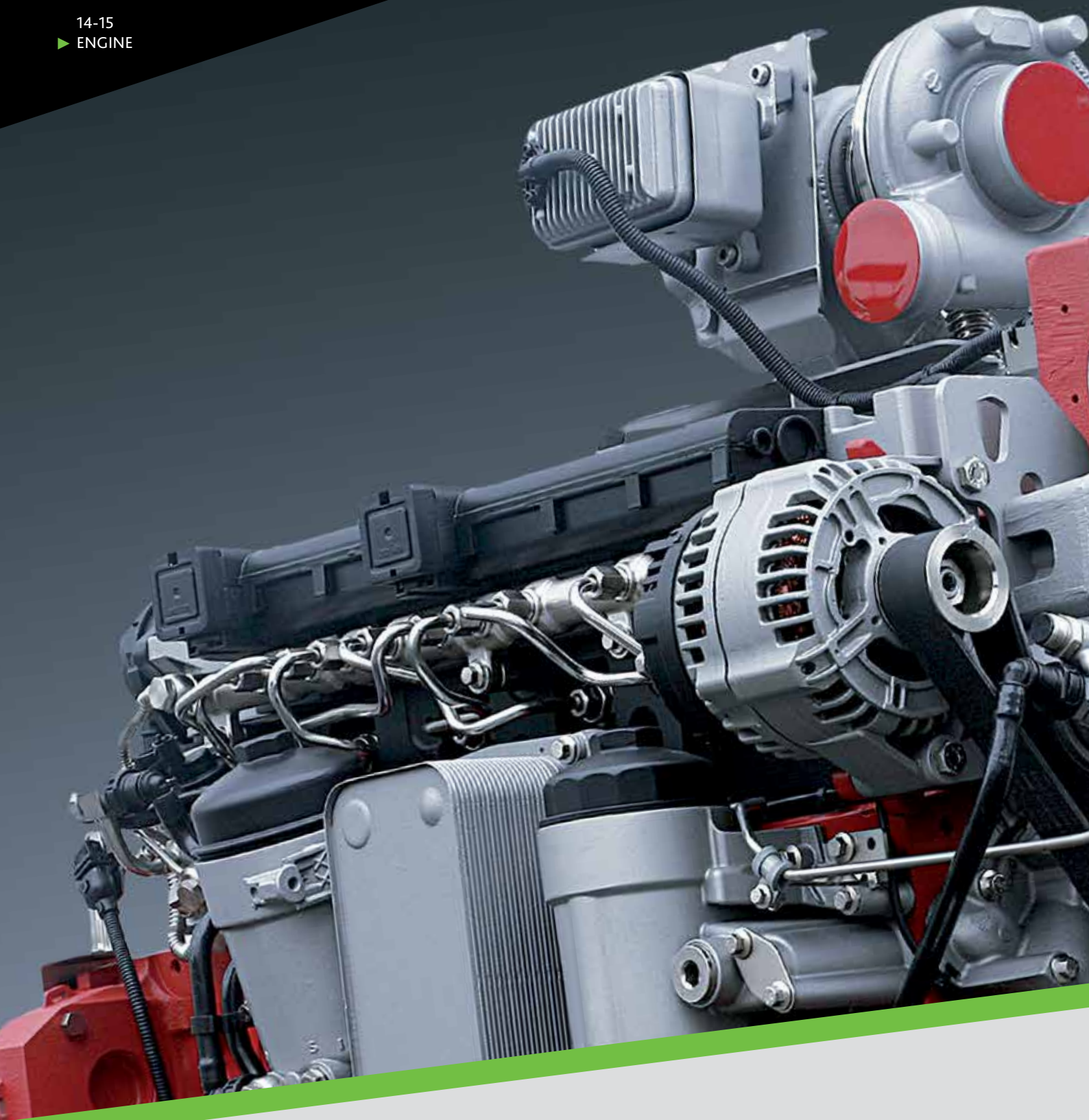
The newly designed armrest makes the 6 Series even more relaxing and intuitive to operate. All routine functions can be automated. The new, highly ergonomic MaxCom joystick on the armrest controls everything from driving speed, direction of travel and cruise control selection to the ComfortTip system, rear and front lift controls. An intuitive system that requires no change of hand position and no more than a moments thought to operate. The MaxiVision 2 cab is offered on TTV models with electro-hydraulic spool valves, and the MaxiVision cab for RCshift or Power-shift models, is fitted with mechanical spools and electro-hy-

draulic spool valves as an option. For all models, the front lift and front loader controls can be mechanical or electro-hydraulic depending on the configurations. Each model is equipped with the new InfoCenter: a new digital dashboard with 5" LCD display, integrated within the tiltable steering column in the central console. All of the controls are clearly marked with colours and are logically arranged according to their frequency of use. The driver has complete control over the new 6 Series at all times and can work for very long periods at maximum productivity.



A green tractor is shown from a low angle, pulling a large green trailer. The tractor is in the foreground, and the trailer is in the middle ground. The background is a blue sky with white clouds. The tractor has a driver visible in the cab. The trailer has a yellow and green striped pattern on its side. The overall scene is a rural, agricultural setting.

HOW TO FULLFILL THE GROWING
DEMANDS FOR SUSTAINABILITY
AND ECO-FRIENDLINESS BUT STILL WORK
WITH MAXIMUM EFFICIENCY
AND POWER? SIMPLY GET INTO
THE NEW 6 SERIES.



**THE BEST MIX OF TECHNOLOGY
FOR OPTIMUM EFFICIENCY.**



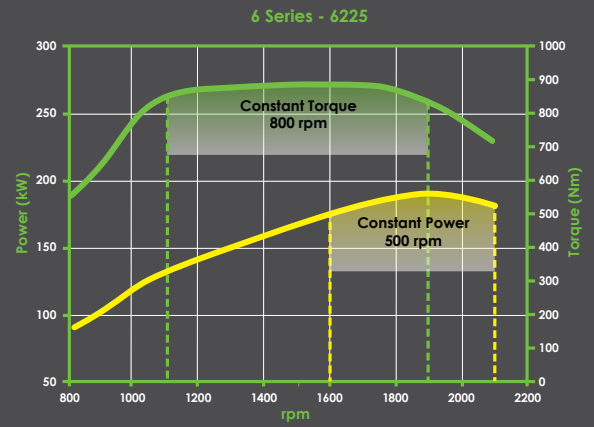
The highlights:

- New efficient Deutz TCD 6.1 litre engine
- Stage 4 (Tier4 Final) with passive DPF without injector
- New optimised engine mapping for a faster reaction speed and wider constant torque
- Up to 5% average lower fuel and AdBlue consumption
- Electronic Visco fan for higher efficiency (TTV models)
- Exhaust engine brake - 40% more braking power

The new 6 Series is equipped with a completely redesigned engine in terms of environmental impact and cost-effectiveness. The new DEUTZ 6.1 Stage 4 (Tier4 Final) engine is more responsive, offers higher reserve torque with a higher starting torque and, at the same time, consumption of fuel and AdBlue has been reduced.

The new exhaust system features SCR after treatment and an additional, passive DPF (diesel particulate filter). DPF offers three advantages compared to the usual active filters: no fuel injection directly into the filter, less heat is generated around the unit and an efficient "heat-mode" strategy of the engine reduces the regeneration process. This saves fuel and money while conforming to all international emission standards. On TTV models, the efficiency of the engine is also supported by an Electronic Visco fan.

TTV models can be equipped with the new exhaust engine brake for 40% more braking power. This system provides increased braking efficiency and reduced stress to the service brakes, as well as increasing safety and decreasing service costs. The operation is comfortable, easy-to-use and reliable via an additional foot pedal that is controlling a butterfly valve.



500 rpm of constant power with a peak of 226 HP: more than 200 HP available at 1600 rpm. A wide range of constant torque, from 1100 to 1900 rpm, with 94% of torque available. In simple terms, almost maximum torque for the entire working engine rpm range.



Less fuel and AdBlue consumption. 280 L diesel and 35 L AdBlue tank for long working days.



SCR after treatment system and passive DPF (diesel particulate filter) save fuel and costs.

The DEUTZ 6.1 Stage 4 (Tier4 Final) engine utilises modern technology and is engineered and manufactured in Germany - synonymous with the highest levels of reliability and efficiency, allowing you to achieve maximum output.



**THE NEW COOLING SYSTEM.
COMPACT, EFFECTIVE AND EASY
TO MAINTAIN**



The highlights:

- Exclusive radiator opening system for quick and easy cleaning
- Aluminium material – lighter construction
- Higher heat radiation

The newly designed cooling system – designed in collaboration with Italdesign Giugiaro – considerably improves engine efficiency through higher heat radiation capacity. All radiators and connection elements are made in aluminium for a greater thermal dissipation. The exclusive opening system allows the radiator to be fully opened, which enables faster and easier maintenance.

When closed, the cooling system is very compact and allows the engine hood to sit lower for a clear view of the front attachment points. Above the radiators a special cover integrates the air-prefilter where



Efficient and compact cooling system for inter cooler, engine, transmission and fuel cooler, and air conditioning condenser.



Precleaning system of the air intake filter: spiral tubes and an aspirator hose removes 95% of the dust before entering the primary filter.



PowerCore technology air filter: 20% higher air flow capacity than comparable standard filters.

the air enters a pre-cleaning area which consists of a series of spiral cyclone tubes. The tubes force the dust and debris to the outer part of the housing, which in turn extracts the heavier dust particles and removes them before they enter the main filtration system.

The air cleaner system used is the proven PowerCore air filtration system - state-of-the-art for maximum filtration, reliability and efficiency.

FOR THE MOST EFFICIENT WORK
YOU NEED TO FIND THE RIGHT SPEED
QUICKLY AND PRECISELY – EVEN WITH
HEAVY LOADS AND ON STEEP TERRAIN.
THE NEW 6 SERIES ENSURES THAT
EVERYTHING KEEPS GOING
AT THE BEST LEVEL FOR YOU.





DEUTZ-FAHR

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**POWERSHIFT, RCSHIFT OR TTV.
THE CHOICE OF TRANSMISSION
IS YOURS.**



Powershift: The efficient all-round transmission with manual gear changing.



RCshift. The new fully automatic powershift transmission for optimum gear changes.



TTV transmission. Premium performance, optimum efficiency and maximum comfort at work.

What is the main area of focus for your tractor? Simple farmyard work? Grassland work? Haulage? Heavy tillage applications? Or a mixture of all these? Whatever the focus of your new 6 Series, it offers exactly the right transmission for any driver and any operation.

Simplest manual Powershift transmission: with 5 mechanical gear speeds plus 6 Powershift steps forward and 3 reverse, total number of speeds 30 + 15 (with creeper: 54 + 27). 40 or 50 Km/h maximum speed (according to the market regulation), all at reduced engine speeds.

Fully automatic RCshift transmission: with 5 robotised speeds plus 6 Powershift steps forward and 3 reverse, total number of speeds 30 + 15 (with creeper: 54 + 27). High speed and high torque transmission feature.

TTV transmission: Maximum comfort in a highly adaptable transmission. This efficient and reliable system is capable of varying speed continuously, optimising engine power without unnecessary loading or fuel wastage, resulting in more productive work. These operating principles allow the TTV transmission to quickly provide the required driving speed, ensuring a smooth drive and advantages in terms of on-the-move comfort and safety, particularly when driving on the road.

All transmissions are easy to operate, simple to programme and easy to monitor via the on board displays. They each offer excellent efficiency, precision and effectiveness. However, what is unique about the new 6 Series is that you can choose the level of transmission technology you want.



**THE NEW RCSHIFT TRANSMISSION.
FINE-TUNING, CONTROL
AND COMFORT.**



The highlights:

- Fully automatic modulated gear shifting
- 3 driving modes
- 50 ECO and 50 SuperECO Km/h
- Fine stepped multi-speed-transmission (5 robotised speeds x 6 Powershift speeds)
- Overlapping of min. 2 Powershift speeds
- Only 18% speed shift to the next gear
- 17 gears in the main working speed range
- 42" tyre option (from model 6175)

The new RCshift transmission ensures extremely comfortable, efficient and fully automated gear changes. Three driving modes can be selected:

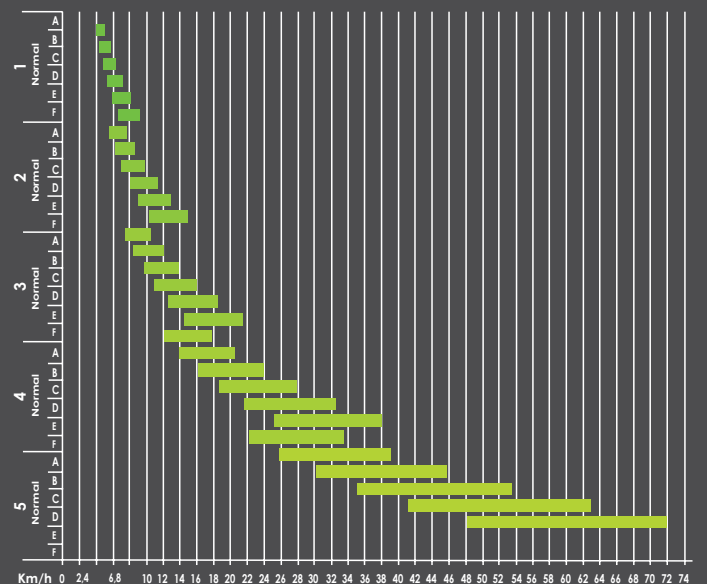
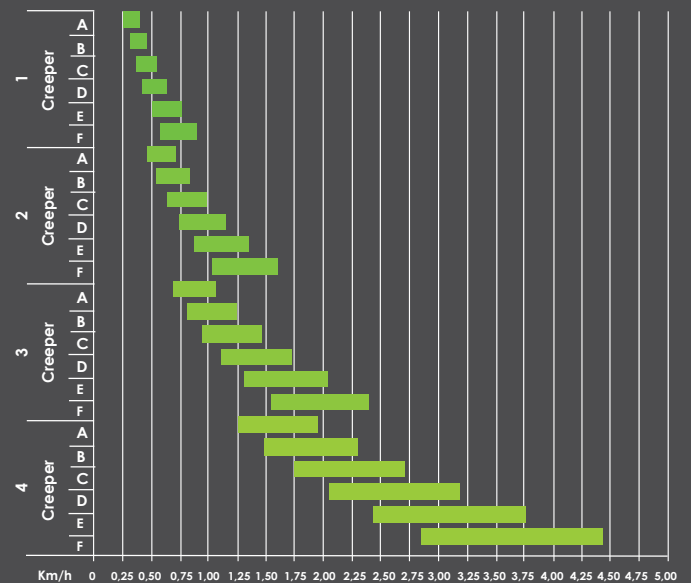
1. **Manual:** user selects range and Powershift speeds
2. **Semi-auto:** user selects range and the system selects Powershift speeds automatically (field operations)
3. **Full-auto:** system selects range and Powershift speeds automatically (road operations)

To ensure fuel-efficient driving during transport work, maximum speeds of 50 Km/h, 50ECO Km/h and 50 SuperECO Km/h, are available with an overdrive performance of 50 km/h at 1447 rpm (according to the markets regulation), Speed Matching to select the right gear for the application is fitted as standard. Fully integrated, electronic engine and transmission management ensures precise performance as well as improved functionality.



50 Km/h SuperECO. Maximum speed with minimal engine rpm saves fuel.

RCshift transmission speeds



New fully robotised RCshift transmission electronically limited to 50 Km/h, (depending on the market).



TTV TRANSMISSION.
WELCOME TO THE PREMIER
LEAGUE OF COMFORT.

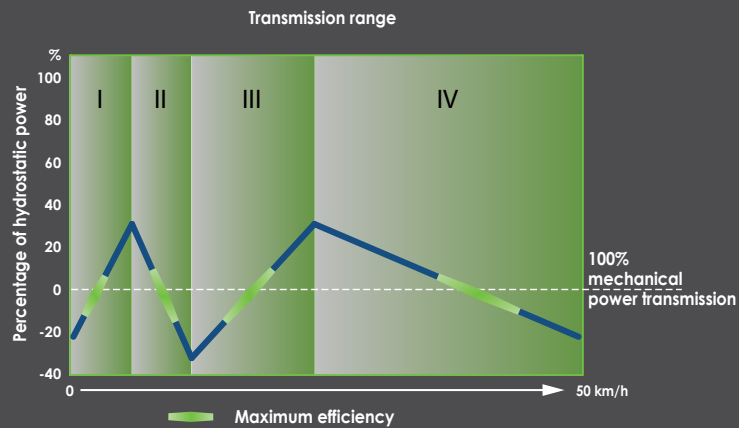


The highlights:

- 3 driving modes
- Highly efficient and extremely comfortable
- Stepless speed control from 0 up to 50 Km/h
- Up to 4 Cruise speeds available (2 forward + 2 reverse)

Maximum productivity is the result of a precisely powered transmission and exact working speeds. The new 6 Series is fitted with state-of-the-art electronically controlled continuously variable TTV transmission. It is a solid concept that has been tried and tested over the years, now with new software for even better performance. Three driving modes are available to ensure a perfect fit for every working situation: manual, automatic and PTO. Overall, the speed range extends from 0.2 Km/h to 50 Km/h, according to the markets regulation. The TTV transmission system is designed to be efficient at all speeds, providing a highly comfortable and extremely efficient system thanks to its four mechanical ranges which change automatically. Engine and transmission management is fully integrated, enhancing the functionality of the cruise settings. A trailer stretch mode increases safety in steep challenging conditions.

Every single detail of the TTV transmission system has been designed to maximise the productivity of the 6 Series.



TTV technology now available up to 226 HP from the 6 Series (model 6215).



With a top speed of 50 Km/h (where permitted) the new 6 Series TTV is also a true transport professional. By simply pressing two buttons on the joystick, the driver can recall 4 different speed settings whether in the field or on the road and maintain a constant speed for optimum results.



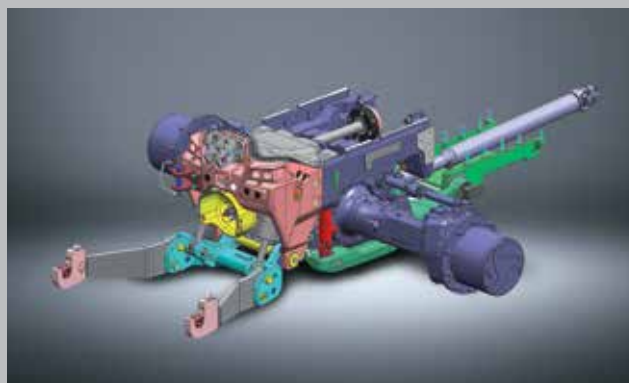
**NEW FRONT AXLE AND BRAKES
- NO COMPROMISE BETWEEN
SAFETY AND DRIVING COMFORT.**



The highlights:

- Unique front axle with electronically controlled suspension
- Maximum stability in all working conditions
- Outboard dry disc brakes
- Booster brake system
- Standard EPB on TTV models

The new front axle suspension and braking system of the 6 Series is unique in this performance class. The front axle is now fitted with double-acting hydraulic cylinders and a longer stroke, significantly increasing the damping effect, which is also electronically controlled. Depending on the brake intensity and driving speed, two suspension levels are activated – the Anti-Dive and Anti-Rise system, or the complete suspension system for the field and on road; the suspension system can also be locked. The 6 Series TTV is the only standard tractor that is fitted with high performance dry disc brakes on the front axle, with the additional Booster brake system ensuring



Electronic adaptive suspension incorporating an Anti-Dive and Anti-Rise system. The suspension can be used in the field and on the road. Fully lockable when needed.



TTV models - EPB replaces the handbrake lever and is operated via an electric push-button control on the armrest console.

maximum braking performance with the lightest pedal pressure. No other standard tractor offers a front axle with dry disc brakes combined with a booster brake system.

TTV models are equipped with the EPB (Electronic Parking Brake): the automatic parking brake system which acts on the rear brake discs. The EPB automatically disengages when the shuttle direction is activated and automatically engages when the driver leaves the seat.

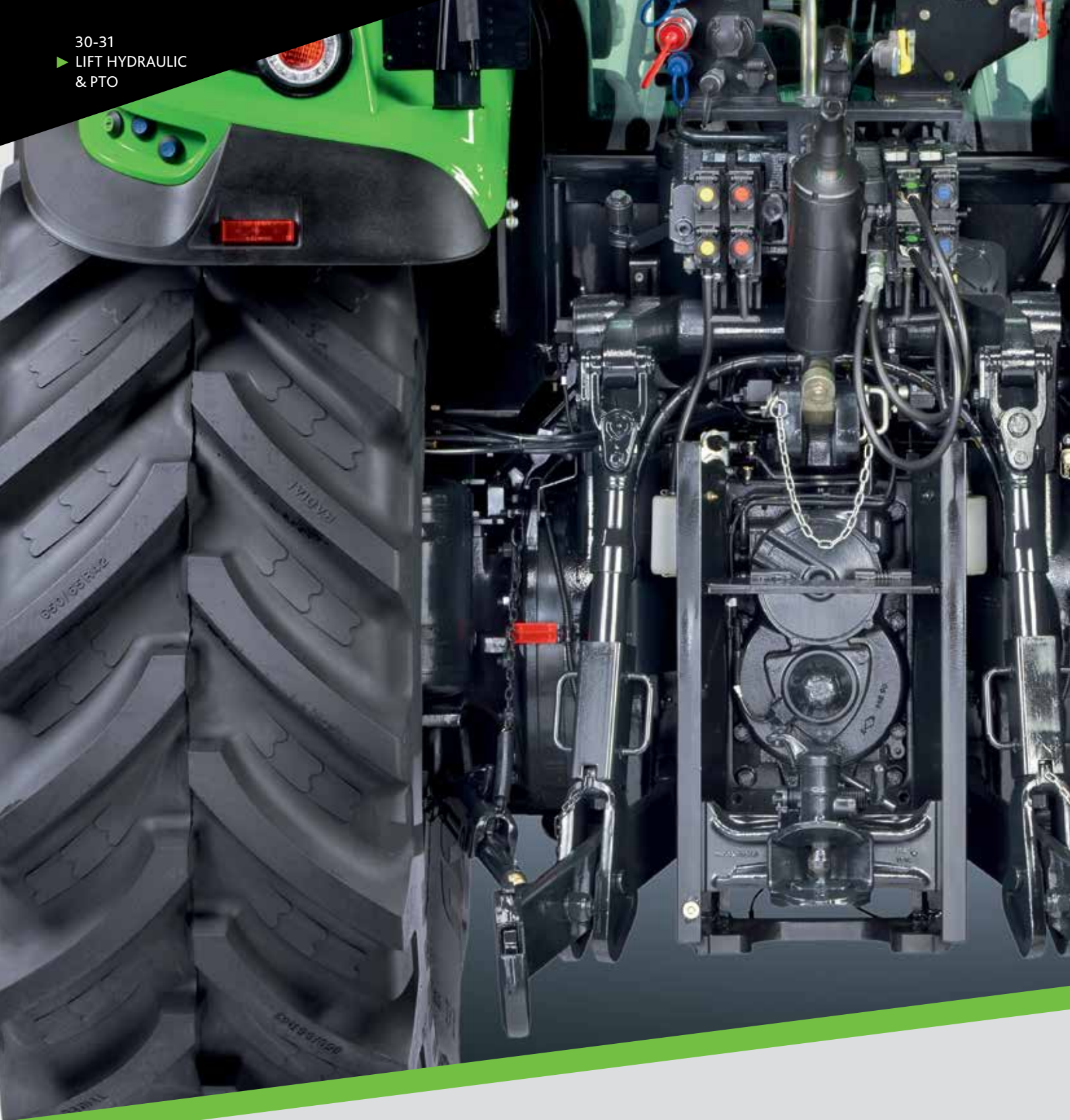
28-29

► HYDRAULIC LIFT
& PTO





OUT WORKING IN GRASS WITH A
MOWER COMBINATION
IN THE MORNING - FRONT LOADER AND
TRANSPORT WORK IN THE AFTERNOON,
FOLLOWED BY A DAY OF HEAVY TILLAGE
WORK. THESE ARE THE STRENGTHS
OF THE 6 SERIES.



**THE ATTACHMENT POINTS.
PREPARED FOR A WIDE RANGE
OF APPLICATIONS.**



The highlights:

- Broad configuration
- Mechanical or electro-hydraulic control
- Hydraulic proportional valves (MaxiVision 2 cab)
- Position-controlled front linkage (TTV models)
- New front lift concept - integrated to the tractor
- New LS eco-pump with 170 L/min: improves the efficiency reducing the power absorption by 30% (-1.3 kW at rated speed, in neutral) (6155-6185 TTV models).



New front lift position control for more work capacity (only TTV models).



External hydraulic, rear lift and PTO remote controls from each side.

The attachment points of the new 6 Series are available with a wide range of feature options. For the hydraulics, you can choose between mechanical and electro-hydraulic controls, up to five hydraulic valves in the rear and two in the front, and a hydraulic pump output of up to 170 L/min, with a rear lifting capacity up to 10000 kg. The models with the MaxiVision 2 cab offer proportionally controlled hyd valves, for a broader scope of operation and control. A separate oil tank ensures an ample supply for the TTV models. The main hydraulics are offered with a Load sensing system or an open center constant flow pump. The new front support with new integrated front lift is designed to match the front suspension, providing a compact layout for maximum steering capability, offering up to 5480 kg lift with up to 2 dedicated front

valves. This new front linkage system is also equipped with a position control function, and can be fitted with an integrated ISOBUS terminal.

With four PTO speeds 540/540ECO/1000/1000ECO at the rear and 1000 or 1000ECO at the front, all work can be carried out very efficiently at reduced engine speeds and fuel consumption. The new Info-Centre provides clear, easily understandable information about hydraulic and PTO functions. All hydraulic and PTO functions can be easily set and controlled from the right console or armrest in the cab. The 6 Series models are available factory-fitted with a 'Ready Kit' for the front loader.





EVERY TILLAGE APPLICATION IS DIFFERENT, EVERY SOIL TYPE IS CHALLENGING, BUT ALL HAVE THE HIGHEST DEMANDS FOR PRECISION FARMING TECHNOLOGY.



PRECISION FARMING SYSTEMS.
HIGHEST ACCURACY
ON DEMAND.



The highlights:

- 6 Series offers the whole range of DEUTZ-FAHR Precision Farming technology from the factory
- IMonitor2 with 12" or 8" display.
- Optional easy steer system
- Section Control, TIM ready

The new 6 Series can be factory fitted with the most advanced precision farming technology, with unique features of the central monitoring and control units coupled with the iMonitor2 that offers a screen size of 8" or a market leading 12" version. Everything runs on a single, clear user interface, from tractor functions to ISOBUS applications, automatic steering, control systems and data management. Two independent cameras can be fitted as an option. The new 6 Series can also be TIM ready (Tractor Implement Management), if desired, this means, the tractor and the implement are becoming an intelligent, closed combination - technology to boost your precision and comfort at work. Another option is the VT4 system, which makes it possible to control implements using the tractor's own systems, avoiding too many control boxes in the cab. The section control and variable rate control systems for sprayers and seeders are included as standard, allowing the driver to activate or deactivate sections in order to avoid overlap and to conserve crop protection agents and seed. Thanks to an optional remote control system, product specialists can support the operator remotely via the IMonitor screen. There are also automatic control systems as well as solutions for wireless data transmission and data management.



TIM ready (Tractors Implement Management) functions can follow implement functionality.



VT4 ready. Implement functions controlled by the tractor's own systems.



Section control/ variable rate control as standard.



Thanks to the ISOXML standard, tasks can be planned, documented and evaluated with numerous agricultural field records.



FORM FOLLOWS FUNCTION.
BOTH FOLLOW THE NEEDS
OF FARMERS.



Front halogen lights fitted as a standard.



No connection between cab and engine hood - improved driver comfort.



Premium materials and attention to detail.

When it comes to the design of tractors, many people tend to view design purely in terms of the appearance of the tractor. Of course, appearance is important, but good design is more than that, it includes a variety of additional features. The person striving to make their work easier, is the primary consideration in all design plans. Countless series of tests have shown how viewing spaces, light concepts, ranges of motion, operating sequences and the integration of technical components should be designed and organised to make the driver's work as easy as possible and the tractor as efficient as possible as an overall system.

The goal is to optimise all functions and ensure optimal interaction between the driver and the tractor. The very best tractor design has a name: Italdesign Giugiaro, one of the most influential companies in vehicle design in the 20th and 21st centuries. With over 200 design concepts for international automotive and commercial vehicle brands, including many classic models, this famous company has made history. The new 6 Series makes the combined experience from over 100 years of DEUTZ-FAHR tractor construction and leading Giugiaro vehicle design available to agricultural entrepreneurs.





Technical data	6 SERIES AGROTRON						
	6155	6165	6175	6185	6205	6215	
ENGINE							
Manufacturer		DEUTZ	DEUTZ	DEUTZ	DEUTZ	DEUTZ	DEUTZ
Model		TCD 6.1 L06	TCD 6.1 L06	TCD 6.1 L06	TCD 6.1 L06	TCD 6.1 L06	TCD 6.1 L06
Emissions		Stage 4 (Tier4 Final)	Stage 4 (Tier4 Final)	Stage 4 (Tier4 Final)	Stage 4 (Tier4 Final)	Stage 4 (Tier4 Final)	Stage 4 (Tier4 Final)
Cylinder / Displacement	n°/cc	6/6057	6/6057	6/6057	6/6057	6/6057	6/6057
Turbo intercooler		●	●	●	●	●	●
Viscostatic fan		●	●	●	●	●	●
Deutz Common Rail (DCR)	bar	1600	1600	1600	1600	1600	1600
Power at rated engine speed (ECE R120)	kW/HP	109,5/149	115,1/157	124,4/169	133/181	144,4/196	147,6/201
Max. power (ECE R120)	kW/HP	114,9/156	120,8/164	129,5/176	138,5/188	152,3/207	156,2/212
Power at rated engine speed with boost (ECE R120)	kW/HP	-	119,9/163	-	-	-	157/214
Max. power with boost (ECE R120)	kW/HP	-	125,8/171	-	-	-	166/226
Homologated Engine power in accordance with delegated regulation (EU) 2015/96	kW/HP	109.5/149	120/163	124,4/169	133/181	144,4/196	157/214
Engine speed at maximum power	rpm	1900	1900	1900	1900	1900	1900
Max. engine speed (rated)	rpm	2100	2100	2100	2100	2100	2100
Maximum torque	Nm	663	699	739	818	850	889
Engine speed at maximum torque	rpm	1500	1400	1500	1500	1500	1500
Torque rise	%	33	28	35	35	29	24
Electronic engine governor		●	●	●	●	●	●
Air filter with dust ejector		●	●	●	●	●	●
Exhaust After Treatment (EGR+DPF+SCR)		●	●	●	●	●	●
Fuel tank capacity	litres	280	280	280	280	280	280
AdBlue tank capacity	litres	35	35	35	35	35	35
TRANSMISSION							
Manufacturer		ZF	ZF	ZF	ZF	ZF	ZF
Model (Manual/Full Robotized)		TPT16 / TPT16 RCshift	TPT16 / TPT16 RCshift	TPT18 / TPT18 RCshift	TPT18 / TPT18 RCshift	TPT20 / TPT20 RCshift	TPT20 / TPT20 RCshift
Number of speeds	No.	30+15	30+15	30+15	30+15	30+15	30+15
Number of speeds with supercreeper gear	No.	54+27	54+27	54+27	54+27	54+27	54+27
Powershift number of speeds (front/rear)	No.	6/3	6/3	6/3	6/3	6/3	6/3
Minimum speed with supercreeper gear	Km/h	0,37	0,37	0,39	0,39	0,39	0,39
Max speed 50 Km/h (Manual/RCshift)	Km/h@rpm	50@1969 / 50@1530	50@1969 / 50@1530	50@1863 / 50@1447	50@1863 / 50@1447	50@1863 / 50@1447	50@1863 / 50@1447
Max speed 40 Km/h (Manual/RCshift)	Km/h@rpm	40@1575 / 40@1224	40@1575 / 40@1224	40@1490 / 40@1158	40@1490 / 40@1158	40@1490 / 40@1158	40@1490 / 40@1158
Driving Strategies (Manual/Semi-Auto/Full Auto) (RCshift only)		●	●	●	●	●	●
Automatic Powershift (RCshift only)		●	●	●	●	●	●
SpeedMatching		●	●	●	●	●	●
SenseShift		●	●	●	●	●	●
PowerShuttle with 5 adjustment levels		●	●	●	●	●	●
ComfortClutch		●	●	●	●	●	●
Multiplate wet clutch electrohydraulically operated		●	●	●	●	●	●
PTO							
PTO 540/540ECO/1000/1000ECO		●	●	●	●	●	●
AUTO PTO		●	●	●	●	●	●
Front PTO 1000/1000ECO		○	○	○	○	○	○
AXLES AND BRAKES							
Front axle manufacturer		Carraro	Carraro	Carraro	Dana	Dana	Dana
Front axle model		20.29	20.29	20.29	M50	M50	M60L
Suspended front axle		○	○	○	○	○	○
Front axle with brakes		○	○	○	○	○	○
Agrosky autosteering predisposition with EasySteer function		○	○	○	○	○	○
Front and rear (50 or 100 mm) spacers		○	○	○	○	○	○
Front wheel drive electrohydraulically engaged		●	●	●	●	●	●
Electrohydraulically operated front and rear differential lock		●	●	●	●	●	●
Four-wheel braking system with automatic 4WD engagement		●	●	●	●	●	●
Powerbrake		●	●	●	●	●	●
Mechanical parking brake		●	●	●	●	●	●
Hydraulic trailer braking valve		○	○	○	○	○	○
Trailer air braking valve		○	○	○	○	○	○
Hydrostatic steering with independent pump		●	●	●	●	●	●
Steering pump capacity	L/min	50	50	50	50	50	50
Steering angle	degree	52	52	52	52	52	52

Technical data

6 SERIES AGROTRON

		6155	6165	6175	6185	6205	6215
HYDRAULIC SYSTEM AND LIFT							
Manufacturer		Bosch	Bosch	Bosch	Bosch	Bosch	Bosch
Fixed displacement pump (standard)	L/min	84	84	84	84	84	-
Variable displacement pump (load sensing) (standard)	L/min	-	-	-	-	-	120
Variable displacement pump (load sensing) (optional)		120/160	120/160	120/160	120/160	120/160	160
Auxiliary rear mechanical distributors (standard)	No.	2	2	2	2	2	2
Auxiliary rear mechanical distributors (optional)	No.	4	4	4	4	4	4
Auxiliary rear electrohydraulic distributors (RCshift only)	No.	2/4/5	2/4/5	2/4/5	2/4/5	2/4/5	2/4/5
Auxiliary front hydraulic distributors (ComfortPack)	No.	1/2	1/2	1/2	1/2	1/2	1/2
Power beyond		○	○	○	○	○	○
Maximum deliverable quantity of oil	litres	40	40	40	40	40	40
Electronically controlled rear lift		●	●	●	●	●	●
Radar		○	○	○	○	○	○
Rear lift capacity	kg	9200	9200	9200	9200	10000	10000
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 lift with retractable coupling bars		○	○	○	○	○	○
Front lift capacity	kg	4110	4110	4110	5480	5480	5480
Quick couplers		●	●	●	●	●	●
ELECTRICAL SYSTEM							
External power outlet socket		●	●	●	●	●	●
Power outlet socket for sup. amperage		●	●	●	●	●	●
Implements interface ISO 11786		○	○	○	○	○	○
Implements interface ISO 11783		○	○	○	○	○	○
CAB							
MaxiVision or MaxiVision 2		●	●	●	●	●	●
MaxCom Joystick (RCshift only)		●	●	●	●	●	●
iMonitor2 (8" or 12")		○	○	○	○	○	○
InfoCenter (5")		●	●	●	●	●	●
Agrosky system		○	○	○	○	○	○
Comfortip (Headland Management)		●	●	●	●	●	●
Comfortip professional (only with iMonitor2)		○	○	○	○	○	○
Max Comfort Professional XL seat		●	●	●	●	●	●
Max Comfort Dynamic XL seat		○	○	○	○	○	○
Padded passenger seat		●	●	●	●	●	●
Mechanical cab suspension		○	○	○	○	○	○
Pneumatic cab suspension		○	○	○	○	○	○
Air conditioning		●	●	●	●	●	●
Automatic A/C system		○	○	○	○	○	○
Anti-UV high visibility roof with		○	○	○	○	○	○
Wiring for audio system with speakers		●	●	●	●	●	●
Telescopic external mirrors		●	●	●	●	●	●
Telescopic external electric and heated mirrors		○	○	○	○	○	○
Light control panel		●	●	●	●	●	●
Halogen work lights		●	●	●	●	●	●
4 Generation LED work lights		○	○	○	○	○	○
Integrated driving LED lights		○	○	○	○	○	○
Coming home function		●	●	●	●	●	●
DIMENSIONS AND WEIGHTS							
Wheelbase	mm	2767	2767	2767	2767	2848	2848
Length (min-max)*	mm	4142-5712	4142-5712	4317-5712	4317-5712	4398-5793	4398-5793
Height (min-max)**	mm	2932-3032	2932-3032	3032-3082	3032-3082	3103-3153	3103-3153
Width (min-max)**	mm	2416-2543	2416-2543	2472-2543	2472-2543	2500-2736	2500-2736
Ground clearance (min-max)**	mm	365-465	365-465	465-515	465-515	555-685	555-685
Total unladen weight	kg	6750	6750	7530	8105	8200	8200
Maximum permissible total weight	kg	11500	11500	12500	12500	13500	13500

●: standard ○: optional -: not available

*Min length: from front hood to the rear lift arm in upper position / Max length: from front ballast with front-lift to the rear lift arm in lower position

**Min-Max: according to tyres and equipment

Technical data	6 SERIES AGROTRON TTV						
	6155 TTV	6165 TTV	6175 TTV	6185 TTV	6205 TTV	6215 TTV	
ENGINE							
Manufacturer		DEUTZ	DEUTZ	DEUTZ	DEUTZ	DEUTZ	DEUTZ
Model		TCD 6.1 L06	TCD 6.1 L06	TCD 6.1 L06	TCD 6.1 L06	TCD 6.1 L06	TCD 6.1 L06
Emissions		Stage 4 (Tier4 Final)	Stage 4 (Tier4 Final)	Stage 4 (Tier4 Final)	Stage 4 (Tier4 Final)	Stage 4 (Tier4 Final)	Stage 4 (Tier4 Final)
Cylinder / Displacement	n°/cc	6/6057	6/6057	6/6057	6/6057	6/6057	6/6057
Turbo intercooler		●	●	●	●	●	●
Electronic Viscostatic fan		●	●	●	●	●	●
Deutz Common Rail (DCR)	bar	1600	1600	1600	1600	1600	1600
Power at rated engine speed (ECE R120)	kW/HP	109,5/149	115,1/157	124,4/169	129/176	135,7/185	147,6/201
Max. power (ECE R120)	kW/HP	114,9/156	120,8/164	129,5/176	134,3/183	149,1/203	156,2/212
Power at rated engine speed with boost (ECE R 120)	kW/HP	-	119,9/163	-	133/181	144,4/196	157/214
Max. power with boost (ECE R120)	kW/HP	-	125,8/171	-	138,5/188	152,3/207	166/226
Homologated engine power in accordance with delegated regulation (EU) 2015/96	kW/HP	109,5/149	120/163	124,4/169	133/181	144,4/196	157/214
Engine speed at maximum power	rpm	1900	1900	1900	1900	1900	1900
Max. engine speed (rated)	rpm	2100	2100	2100	2100	2100	2100
Maximum torque	Nm	663	699	739	818	850	889
Engine speed at maximum torque	rpm	1500	1400	1500	1500	1500	1500
Torque rise	%	33	28	31	35	29	24
Electronic engine governor		●	●	●	●	●	●
Exhaust engine brake		○	○	○	○	○	○
Air filter with dust ejector		●	●	●	●	●	●
Exhaust After Treatment (EGR+DPF+SCR)		●	●	●	●	●	●
Fuel tank capacity	litres	280	280	280	280	280	280
AdBlue tank capacity	litres	35	35	35	35	35	35
TTV TRANSMISSION							
Manufacturer		ZF	ZF	ZF	ZF	ZF	ZF
Model		Eccom 1.5	Eccom 1.5	Eccom 1.5/1.5 HD	Eccom 1.5/1.5 HD	S-Matic 180+	S-Matic 180+
Number of ranges	No.	4	4	4	4	4	4
Max speed 50 Km/h	Km/h@rpm	50@1834	50@1834	50@1834/50@2100	50@1817/50@2100	50@2100	50@2100
Max speed 40 Km/h	Km/h@rpm	40@1431	40@1431	40@1431/40@1641	40@1454/40@1641	40@1647	40@1647
PowerZero		●	●	●	●	●	●
Cruise speed	No.	2 + 2	2 + 2	2 + 2	2 + 2	2 + 2	2 + 2
Driving Strategies (Auto/Manual/PTO)		●	●	●	●	●	●
Eco/Power control		●	●	●	●	●	●
Hydraulic reverse power shuttle		●	●	●	●	●	●
PowerShuttle with 5 adjustment levels		●	●	●	●	●	●
PTO							
PTO 540/540ECO/1000/1000ECO		●	●	●	●	●	●
AUTO PTO		●	●	●	●	●	●
Front PTO 1000/1000ECO		○	○	○	○	○	○
AXLES AND BRAKES							
Front axle manufacturer		Carraro	Carraro	Carraro	Dana	Dana	Dana
Front axle model		20.29	20.29	20.29	M50	M60L	M60L
Adjustable rear axle		○	○	○	○	○	○
Front and rear (50 or 100 mm) spacers		○	○	○	○	○	○
Suspended front axle		○	○	○	○	○	○
Front axle with brakes		○	○	○	○	○	○
Agrosky autosteering predisposition with EasySteer function		○	○	○	○	○	○
Front wheel drive electrohydraulically engaged		●	●	●	●	●	●
Electrohydraulically operated front and rear differential lock		●	●	●	●	●	●
Four-wheel braking system with automatic 4WD engagement		●	●	●	●	●	●
Powerbrake		●	●	●	●	●	●
EPB (Electronic Parking Brake)		●	●	●	●	●	●
Hydraulic trailer braking valve		○	○	○	○	○	○
Trailer stretch function		●	●	●	●	●	●
Trailer air braking valve		○	○	○	○	○	○
Trailer air + hydraulic braking valve		○	○	○	○	○	○
Hydrostatic steering with independent pump		●	●	●	●	●	●
Steering pump capacity	L/min	50	50	50	50	50	50
Steering angle	degree	52	52	52	52	52	52

Technical data and pictures are indicative. Committed to delivering a product more in line with your needs, DEUTZ-FAHR reserves the right to update the specifications of its machines at any time without notice.

Max speed of 50 Km/h where permitted. Max 40/50 Km/h at low rpm according to tyres size.

Technical data

6 SERIES AGROTRON TTV

6155 TTV 6165 TTV 6175 TTV 6185 TTV 6205 TTV 6215 TTV

HYDRAULIC SYSTEM AND LIFT

Manufacturer		Bosch	Bosch	Bosch	Bosch	Bosch	Bosch
Variable displacement pump (standard)	L/min	120	120	120	120	120	120
Variable displacement pump (optional)	L/min	170	170	170	170	160	160
Closed centre hydraulic system (load sensing)		●	●	●	●	●	●
Auxiliary rear electrohydraulic distributors (standard)	No.	4	4	4	4	4	4
Auxiliary rear electrohydraulic distributors (optional)	No.	5	5	5	5	5	5
Auxiliary front electrohydraulic distributors (optional)	No.	1/2	1/2	1/2	1/2	1/2	1/2
Electrohydraulic control with flow regulator and timer		●	●	●	●	●	●
Power beyond		○	○	○	○	○	○
Maximum deliverable quantity of oil	litres	40	40	40	40	40	40
Separate oil tank	litres	50	50	50	50	50	50
Electronically controlled rear lift		●	●	●	●	●	●
Radar		○	○	○	○	○	○
Rear lift capacity	kg	9200	9200	9200	9200	10000	10000
Right hand tie-rod and third mechanical point		●	●	●	●	●	●
Auto-hitch coupling bars		●	●	●	●	●	●
Controls on mudguard		●	●	●	●	●	●
Electronically controlled front lift		○	○	○	○	○	○
Front lift capacity	kg	4110	4110	4110	5480	5480	5480
Quick couplers		●	●	●	●	●	●

ELECTRICAL SYSTEM

External power outlet socket		●	●	●	●	●	●
Power outlet socket for sup. amperage		●	●	●	●	●	●
Implements interface ISO 11786		○	○	○	○	○	○
Implements interface ISO 11783		○	○	○	○	○	○

CAB

MaxiVision 2		●	●	●	●	●	●
MaxCom multifunction armrest		●	●	●	●	●	●
iMonitor2 (8" or 12")		○	○	○	○	○	○
WorkDisplay		●	●	●	●	●	●
InfoCenter (5")		●	●	●	●	●	●
Agrosky system		○	○	○	○	○	○
Comfortip (Headland Management)		●	●	●	●	●	●
Comfortip professional (only with iMonitor2)		○	○	○	○	○	○
Max-Comfort Dynamic XL seat		●	●	●	●	●	●
Max-Comfort Dynamic XXL seat		○	○	○	○	○	○
Max-Comfort Evolution Active DDS seat		○	○	○	○	○	○
Padded passenger seat		●	●	●	●	●	●
Mechanical cab suspension		●	●	●	●	●	●
Pneumatic cab suspension		○	○	○	○	○	○
Air conditioning		●	●	●	●	●	●
Automatic A/C system		○	○	○	○	○	○
Anti-UV high visibility roof with		○	○	○	○	○	○
Wiring for audio system with speakers		●	●	●	●	●	●
Telescopic external mirrors		●	●	●	●	●	●
Telescopic external electric and heated mirrors		○	○	○	○	○	○
Light control panel		●	●	●	●	●	●
Halogen work lights		●	●	●	●	●	●
4 Generation LED work lights		○	○	○	○	○	○
Integrated driving LED lights		○	○	○	○	○	○
Ambience light		●	●	●	●	●	●
Coming home function		●	●	●	●	●	●


DIMENSIONS AND WEIGHTS

Wheelbase	mm	2767	2767	2767	2767	2848	2848
Length (min-max)*	mm	4142-5712	4142-5712	4317-5712	4317-5712	4398-5793	4398-5793
Height (min-max)**	mm	2932-3032	2932-3032	3032-3082	3032-3082	3103-3153	3103-3153
Width (min-max)**	mm	2416-2543	2416-2543	2472-2543	2472-2543	2500-2736	2500-2736
Ground clearance (min-max)**	mm	365-465	365-465	465-515	465-515	555-685	555-685
Total unladen weight	kg	8230	8230	8290	8340	8580	8580
Maximum permissible total weight	kg	11500	11500	12500	12500	13500	13500

●: standard ○: optional -: not available

*Min length: from front hood to the rear lift arm in upper position / Max length: from front ballast with front-lift to the rear lift arm in lower position

**Min-Max: according to tyres and equipment

A green tractor is shown from a high-angle perspective, positioned next to a large metal trailer. The trailer is filled with a large pile of light-colored wood chips. The tractor's rear wheel, featuring a deep tread pattern, is visible. In the background, a corrugated metal door is partially open, and the interior of a barn or shed is visible. The scene is lit with natural light, creating soft shadows.

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