

DEUTZ-FAHR 6165-6185-6215 TTV Agrotron 7250 TTV Agrotron





TOP GERMAN TECHNOLOGY FOR TOP PRODUCTIVITY.



6 SERIES TTV AGROTRON	6165	6185	6215
Max. power (kW/HP)	126/171	140/188	166/226

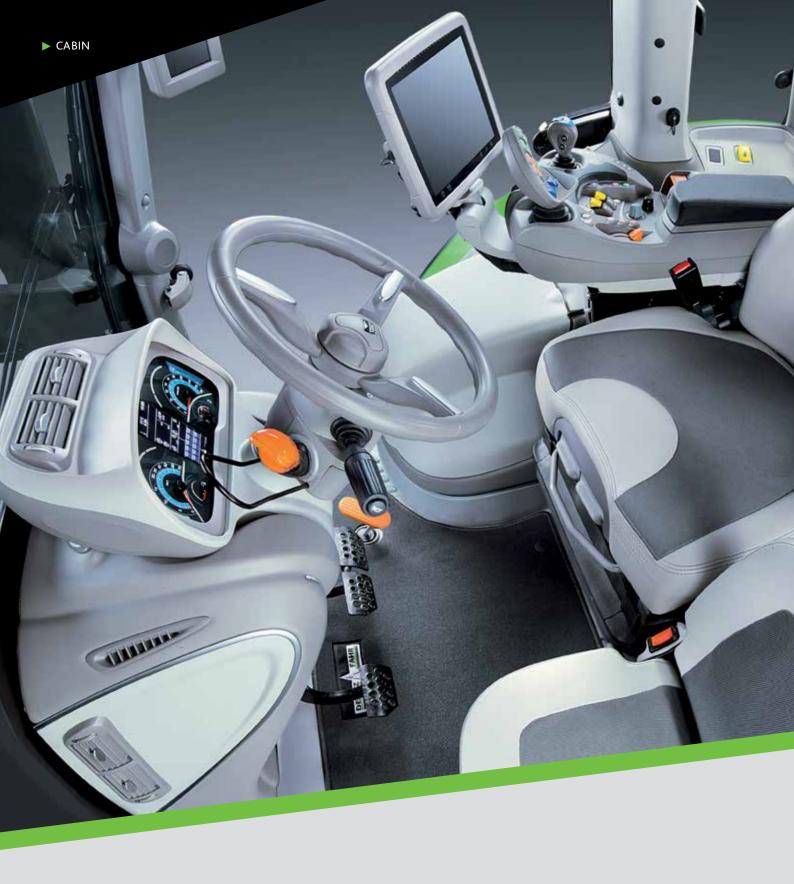
7 SERIES TTV AGROTRON	7250		
Max. power (kW/HP)	181/246		

Success is achieved by farming enterprises that are able to tackle every task throughout the season, using the lowest possible amount of resources and being effective with the time available. Equally, every penny counts when it comes to reducing production costs - DEUTZ-FAHR has developed the 6 and 7 TTV Series for this type of business. These models deliver up to 246 HP and stand out for a range of trademark German characteristics: high quality, high precision and reliability combined with cutting-edge technology in terms of both cost-effectiveness and comfort.

The 6 and 7 TTV Series represents the culmination of highly innovative and intelligent tractor technology manufactured at our new facility in Lauingen Germany. This tractor series is offered with the exceptional comfort of the MaxiVision 2 cab, intuitive controls, a newly designed armrest, state-of-the-art precision farming systems, enhanced with highly efficient engine and transmission technology. Innovative axles and brakes ensure optimal driving comfort and maximum safety. Furthermore, the hydraulic systems and lift capacity both front and rear, compliment the overall specification making this tractor lineup the ideal partner for increasing productivity for contractors and agricultural businesses.







MAXIVISION 2 CAB.
INCREASED PRODUCTIVITY IN A
STRESS FREE ENVIRONMENT.



The unique features offered by MaxiVision 2 are visible from both the inside and from the outside of the cab. For ease of use and ergonomic factors, the 6 and 7 TTV Series caters for the operator by making best use of the current technology available. The new InfoCentrePro dashboard display features a 5" colour monitor, providing the driver with a clear stream of data about the tractor's operating conditions, as well as offering maximum convenience in terms of settings and information. Visibility is not compromised in any working conditions, with an option of a 40.000 lumen LED package with four working headlights. Engine noise, vibrations and heat are removed from the operator environment as there is no connection between the cab and engine hood. The new hood encapsulates the latest, highly contemporary look of the DEUTZ-FAHR tractor family, while its compact design also ensures outstanding forward visibility. The best possible view to the rear linkage area is guaranteed by the positioning of the cab.

Other features that help reduce operator fatigue are the welcoming colours of the interior, the large window area, complete with a roof



New InfoCentre Pro - both analogue and digital functionality. Top information concept.



Exclusive LED lights with 2.500 lumen per light.



New hood. Maximum view of front implements.



Optional glass roof hatch.

hatch available in two designs: an easy-to-open green roof and a glass roof with 84% UV radiation absorption for optimal visibility during front loader operation.

The air conditioning system offers the largest number of air vent outlets in this tractor class guaranteeing uniform air distribution like no other model. Every detail of the MaxiVision 2 cab has been designed to help the driver work for long periods without stress, thus achieving maximum productivity.



ERGONOMIC OPERATION.
THE INTUITIVE WAY TO
MAXIMUM PRODUCTIVITY.





PTO controls (front/rear) are conveniently integrated in the armrest...



... along with the front and rear lift controls.



Auxiliary valves are controlled via a joystick with an integrated smart wheel.

The newly designed armrest makes the 6 and 7 TTV Series even more intuitive to operate. All routine functions can be automated. Simply pre-select the desired basic settings and activate them at any time with a tap on the screen. The new, highly ergonomic joystick on the armrest, controls everything from driving speed, direction of travel and cruise control selection to the ComfortTip system, rear lift controls and front lift controls.

An intuitive system that requires no change of hand position and no more than a moments thought to operate.

All of the controls are clearly marked with colours and are logically arranged according to their frequency of use. The driver has complete control at all times and can work for very long periods at maximum productivity.







PRECISION IS THE PREREQUISITE FOR PRODUCTIVITY.



The 6 and 7 TTV Series is fitted with the most advanced precision farming technology. The features of the central monitoring and control unit are unique, as are its dimensions: the iMonitor2 has a screen size of 12". Everything runs on a single, clear user interface, from tractor functions to ISOBUS applications, automatic control systems and data management. Two independent cameras can be fitted as an option.

This tractor can also be TIM ready (Tractor Implement Management) and can react to control implements - technology to boost your precision and comfort at work. Another option is the ISOBUS VT4 system. A function that makes it possible to control attachments using the tractor's own functionality, thus avoiding too many implement controls/ monitors 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 from DEUTZ-FAHR can access vehicle systems remotely when providing support. Of course, there are also automatic control systems as well as solutions for wireless data transmission and data management.



TIM ready (Tractor Implement Management) functions for full implement control.



ISOBUS VT4 ready. Implement functions controlled by the tractor systems.



Section control/ variable rate control as standard



Wireless data sharing as an option and data management (ISOMXL) as standard.







TIER 3 SIX CYLINDER ENGINES. PRODUCTIVITY POWERED BY EFFICIENCY.



The 6 and 7 TTV Series is equipped with a completely redesigned engine in terms of environmental impact and cost-effectiveness. The new Deutz 6.1 Tier3 engine is more responsive, offers higher reserve torque, as well as starting with a higher torque and, at the same time, fuel consumption has been reduced by 5 % compared to the previous generation.

The efficiency of the engine is supported by Electronic Visco fan and the redesigned, compact high-performance cooling system. The patented cooling system can be opened completely, which makes servicing more straightforward. A pre-cleaning system on the air intake slots prevents dirt from entering the air filter, again making a substantial difference to service costs. Deutz 6.1 Tier3 engine – modern technology made in Germany – is synonymous with the highest levels of know-how and efficiency, allowing you to achieve maximum productivity.







Newly designed cooling system. Fully openable for easy maintenance.



DCR technology. 2,000 bar injection pressure ensures maximum engine efficiency.



TTV TRANSMISSION.
TURN POWER
INTO PRODUCTIVITY.



Maximum productivity is the result of precise power transmission and exact working speeds. The 6 and 7 TTV Series is fitted with state-of-the-art electronically controlled continuously variable TTV transmission technology. It is a solid concept that has been tried and tested over the years, now with new software for even better performance. DEUTZ-FAHR is the only manufacturer that offers a 60 Km/h tractor in such a compact design. All final speeds of 40 Km/h, 50 Km/h or 60 Km/h can be reached at a reduced engine speed, which is extremely fuel efficient. Overall, the speed range extends from 0.2 Km/h to 60 Km/h. From field work to road work - the TTV transmission system operates at optimum efficiency in all speeds.

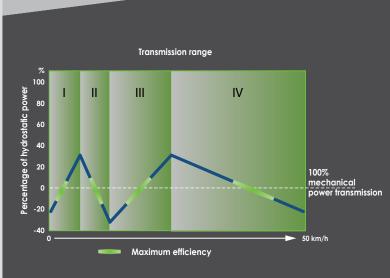
The highly comfortable TTV transmission is extremely efficient thanks to its four mechanical stages, which change automatically. Engine and transmission management are fully integrated, providing a comfortable automatic system for mechanical range shifting. Up to four cruise speeds can be stored in order to optimise work processes. A new trailer stretch mode increases driving safety on hilly terrain. Every single detail of the TTV transmission system has been designed to maximise the productivity.



PowerShuttle with SenseClutch - 5 levels of reversing sensitivity that can be easily adjusted.



Up to 4 cruise speeds can be memorised to optimise application and efficiency.



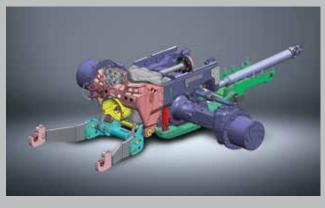






NEW FRONT AXLE AND BRAKE CONCEPT – NO COMPROMISE BETWEEN SAFETY AND DRIVING COMFORT.





Electronically controlled 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 mechanical handbrake lever and is operated via an electric push-button control on the armrest console.

The new front axle concept and braking system of the 6 and 7 TTV Series is unique in this performance class. The front axle is now fitted with an adaptive system featuring three automatic suspension levels and a longer stroke, leading to a substantial increase in suspension. The suspension system is electronically controlled. Depending on the brake efficiency, driving speed and the terrain, three suspension levels are activated – the anti-dive and anti-rise system, the complete suspension system for the field and on the road, and the locked suspension system. 50 mm and 100 mm spacer rings are available for larger treads and increased stability when transporting.

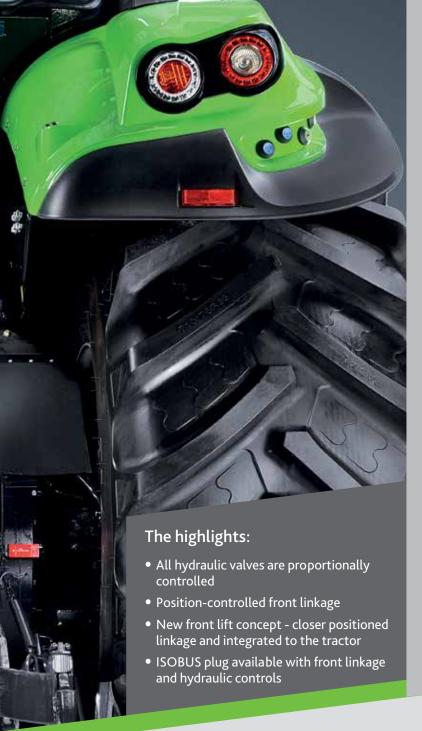
The 6 (6215 model) and 7 (7250 model) TTV Series can be fitted with the optional high-performance disc brakes on the front axle. With this additional brake system it ensures maximum braking performance with the lightest pedal pressure.







LINKAGE. LIFT UP YOUR PRODUCTIVITY.





Up to 5 proportional spool valves at the rear and 2 in the front. Front lift integrated to the tractor and closer coupled



External control for auxiliary hydraulics, rear lift and PTO mounted on both sides of the tractor.

The 6 and 7 TTV Series provides ample auxiliary hydraulic outlets for all applications, with up to five rear spool valves and two front valve options – all proportionally controlled.

The new hydraulic system offers a front linkage with position control, which until now has only been available on 9 Series. Front lift capacity has been increased to an impressive 5480kg – with the newly integrated front linkage system, machinery is positioned closer to the tractor. The front mounting area also features an integrated ISOBUS terminal.

The standard LS hydraulic system delivers an output of 120 L/min as standard or 160 L/min as an option. A separate pump supplies the steering system so the main working hydraulics are not compromised. The main rear lifting capacity is a generous 10000 kg as standard.

With three PTO speeds (540ECO/1000/1000ECO) at the rear and 1000 or 1000ECO at the front, all PTO operations are covered with maximum efficiency. ECO speeds are achieved with reduced engine speed, and in turn, reduced fuel consumption.

All hydraulic and PTO functions are easily controlled from the armrest in the cab.





Technical Data		6 SERIES AGROTRON TTV			
recillical bala		6165 TTV	6185 TTV	6215 TT\	
ENGINE			_	_	
Manufacturer		Deutz	Deutz	Deutz	
Model		TCD 6.1 L06	TCD 6.1 L06	TCD 6.1 L06	
Emissions	-0/	Tier 3	Tier 3	Tier 3	
Cylinder / Displacement	n°/cc	6/6,057	6/6,057	6/6,057	
Turbo Intercooler		•	•	•	
Wastegate valve		•	•	•	
Electronic Viscostatic fan		4 500	1.000	1 500	
Deutz Common Rail (DCR)	bar	1,600	1,600	1,600	
Power at rated engine speed (ECE R 120)	kW/hp	115.1/157	133/181	147.6/201	
Max. power (ECE R120)	kW/hp	120.8/164	138.5/188	156.2/212	
Power at rated engine speed with boost (ECE R 120)	kW/hp	119.9/163	133/181	157/214	
Max. power with boost (ECE R120)	kW/hp	125.8/171	138.5/188	166/226	
Homologated Engine power in accordance with delegated regulation (EU) 2015/96	kW/hp	120/163	133/181	157/214	
Engine speed at maximum power	rpm	1,900	1,900	1,900	
Max. engine speed (rated)	rpm	2,100	2,100	2,100	
Maximum torque	Nm	699	818	889	
Engine speed at maximum torque	rpm	1,400	1,500	1,500	
Torque rise	%	28	35	24	
Electronic engine governor	70	•	•		
Exhaust engine brake		0	0	0	
Air filter with dust ejector (PowerCore)		•	•		
Exhaust After Treatment (EGR+DPF+SCR)		•			
Fuel tank capacity	litres	280	280	435	
TRANSMISSION	tities	200	200	455	
Manufacturer		ZF	ZF	ZF	
Model		Eccom 1.5	Eccom 1.5/1.5 HD	S-Matic 180+	
	n°	4	4	3-Matic 1804	
Number of ranges				50@1,902	
Max speed 50 Km/h	km/h@rpm	50@1,831	50@1,773/50@2,051		
Max speed 40 Km/h	km/h@rpm	40@1,464	40@1,418/40@1,641	40@1,521	
PowerZero	-	•	•	•	
CruiseSpeed	n°	2 + 2	2+2	2 + 2	
Driving Strategies (Auto/Manual/PTO)		•	•	•	
Eco/Power control		•	•	•	
Hydraulic reverse power shuttle		•	•	•	
SenseClutch with 5 adjustment levels		•	•	•	
P.T.O.					
P.T.O. 540/540ECO/1000/1000ECO		•	•	•	
AUTO PTO		•	•	•	
Front P.T.O. 1000/1000ECO		0	0	0	
AXLES AND BRAKES					
Front axle manufacturer		Carraro	Dana	Dana	
Front axle model		20.29	M50	M60L	
Adjustable rear axle		0	0	0	
Front and rear (50 or 100 mm) spacers		0	0	0	
Suspended adaptive front axle		•	•	•	
Front axle with brakes		0	0	-	
Front axle with external dry disk brakes		-	-	0	
Agrosky autosteering predisposition with EasySteer function		0	0	•	
Front wheel drive electrohydraulically engaged		•	•		
Electrohydraulically operated front and rear differential lock		•	•		
Four-wheel braking system with automatic 4WD engagement					
		•	•		
PowerBrake EDR Floetronic Parking Praka					
EPB Electronic Parking Brake		0	0	-	
Hydraulic trailer braking valve		0	0	0	
Trailer Stretch function		•	•	•	
Trailer air braking valve		0	0	0	
Hydrostatic steering with independent pump		•	•	•	
Steering pump capacity Steering angle	l/min	52	52	46	
	degree	52°	52°	52°	

Tankai and Darka	6 SERIES AGROTRON TTV				
Technical Data		6165 TTV	6185 TTV		
HYDRAULIC SYSTEM AND LIFT					
Manufacturer		Bosch/Danfoss	Bosch/Danfoss	Bosch/Danfoss	
Variable displacement pump (standard)	l/min	120	120	120	
Variable displacement pump (optional)	l/min	170	170	160	
Closed centre hydraulic system (Load Sensing)		•	•	•	
Auxiliary rear electrohydraulic distributors (standard)	No.	2	2	2	
Auxiliary rear electrohydraulic distributors (optional)	No.	4/5	4/5	4/5	
Auxiliary front electrohydraulic distributors (optional)	No.	1/2	1/2	1/2	
Electrohydraulic control with flow regulator and timer		•	•	•	
Power Beyond		0	0	0	
Maximum deliverable quantity of oil	litres	40	40	40	
Separate oil tank	litres	50	50	50	
Electronically controlled rear lift		•	•	•	
Radar		0	0	0	
Rear lift capacity	kg	9,200	9,200	10,000	
Right hand tie-rod and third mechanical point		•	•	•	
Right hand tie-rod and third hydraulic point		0	0	0	
Controls on mudguard		•	•	•	
Electronically controlled front lift		0	0	0	
Front lift capacity	kg	4,110	5,480	5,480	
ELECTRICAL SYSTEM					
Voltage	V	12	12	12	
Standard battery	V/Ah	12 / 143	12 / 143	12 / 143	
Battery for cold climates	V/Ah	12 / 180	12 / 180	12 / 180	
Alternator	V/A	14 / 200	14 / 200	14 / 200	
Starter	V/kW	12 / 4	12 / 4	12 / 4	
External power outlet socket		•	•	•	
Power outlet socket for sup. amperage		•	•	•	
Implements interface ISO 11786		0	0	0	
Implements interface ISO 11783		0	0	0	
CAB					
MaxiVision2		•	•	•	
MaxCom multifunction armrest		•	•	•	
iMonitor ² (8" or 12")		0	0	•	
Work Display		•	•	•	
InfoCentre ^{Pro} (5" High Level Cluster)		•	•	•	
Agrosky system		0	0	•	
Comfortip (Headland Management)		•	•	•	
Comfortip professional (only with iMonitor)		0	0	•	
Max-Comfort Dynamic XL seat		•	•	•	
Max-Comfort Dynamic XXL seat		0	0	0	
Max-Comfort Evolution Active DDS seat		0	0	0	
Padded passenger seat		•	•	•	
Mechanical cab suspension		•	•	•	
Pneumatic cab suspension		0	0	0	
Air conditioning		•	•	•	
Automatic A/C system		0	0	0	
Anti-UV high visibility roof		0	0	0	
Wiring for audio system with speakers		•	•	•	
Telescopic external mirrors		•	•	•	
Telescopic external electric and heated mirrors		0	0	0	
Light control panel		•	•	•	
Halogen work lights		•	•	•	
4 Gen LED work lights		0	0	0	
Integrated driving LED lights		0	0	0	
Ambience light		•	•	•	
Coming home function		•	•	•	

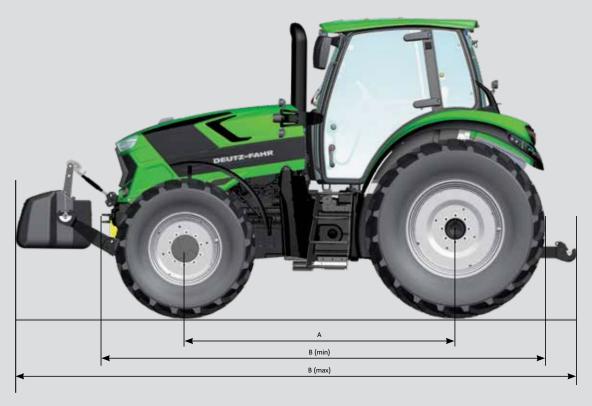
^{●:} standard O: optional -: not available

Technical data		7 SERIES TTV Agrotron
recrimical dala		7250 TTV
ENGINE		
Manufacturer		Deutz
Model		TCD 6.1 L06
Emissions		Tier3
Cylinders/Displacement	n°/cm³	6/6057
Turbo intercooler		•
Viscostatic fan		•
Deutz Common Rail (DCR)	bar	1600
Max. power (ECE R 120)	kW/HP	181/246
Power at rated engine speed (ECE R 120)	kW/HP	169/230
Max. homologated power at rated speed (2000/25/EC)	kW/HP	174/237
Engine speed at maximum power	rpm	1900
Max. engine speed (rated)	rpm	2100
Engine brake		0
Electronic engine governor		•
Air filter with dust ejector		•
Exhaust on cab A-pillar		•
Fuel tank capacity	litres	400
TTV TRANSMISSION		
Model		ZF S-Matic S240 / S240HD
Number of speed ranges	n°	4
Max. speed	Km/h	40/50/60
Overspeed 60 Km/h ECO		@1980
Overspeed 50 Km/h ECO		@1690/@2100 (HD)
Overspeed 40 Km/h SuperECO		@1357/@1760
PowerZero		⊕ 1337/@1100
CruiseSpeed	n°	2+2
Driving Strategies (Auto/Manual/PTO)	"	
ECO/Power control		
Hydraulic reverse PowerShuttle		
SenseClutch		
PTO F405CO (1000 (1000 CO		
PTO 540ECO/1000/1000ECO		•
Front PTO 1000		0
PTO 1000ECO		0
AXLES AND BRAKES		
Suspended front axle		•
DT Front wheel drive electrohydraulically engaged		•
Electrohydraulically operated differential lock		•
ASM system		•
Rear braking action with DT engagement		•
External disc brakes in the front		0
PowerBrake		•
Pneumatic trailer brake		0
Hydraulic trailer brake		0
Bar axle (plug on)		0
Automatic Electronic Parking Brake (EPB)		•
HYDRAULIC SYSTEM AND HITCH		
Closed centre hydraulic system (Load Sensing)		•
Pump output (std)	L/min	160
Max. usable oil volume	litres	45
Separate oil tank		•
Auxiliary hydraulic distributors (std)	n° of ways	8
Auxiliary hydraulic distributors (opt)	n° of ways	10/12/14
Rear electronic lift capacity	kg	10000
Front hitch		0
Front lifting capacity	kg	5480

To obvious data		7 SERIES TTV Agrotroi		
Technical data		7250 πV		
ELECTRICAL SYSTEM				
Voltage	V	12		
Standard battery	V/Ah/A	12/180/700		
Alternator	V/Ah/A	12/200		
Starter motor	V/kW	12/3,1		
External power socket		•		
Implement interface 11786 (7pole)		0		
Power socket for higher current applications		•		
CAB				
MaxiVision 2 cab		•		
Air suspension		•		
Adjustable rear view mirrors		0		
Heated and adjustable rear view mirrors		0		
Air conditioning		•		
Automatic A/C system		0		
Openable roof		•		
Multifunction joystick		•		
Work Monitor		•		
Light control panel		•		
iMonitor2		•		
Camera system		0		
Agrosky Ready		•		
ISOBUS (Class 4) compatible		•		
ComforTip Professional		•		
Max-Comfort Dynamic XL seat		•		
Max-Comfort Dynamic XXL seat		0		
Max-Comfort Evolution Active DDS seat		0		
Padded passenger seat		•		
Radio		0		
Halogen work lights		•		
LED work lights (Generation 4)		0		
TRAILER ATTACHMENTS				
Automatic tow hook		0		
Height adjustable ball head joint		0		
Fixed ball head joint		0		
Oscillating arm		0		
Pickup hitch		0		
Piton Fix		0		

^{•:} standard O: optional -: not available

Technical Data		6 & 7 SERIES TTV AGROTRON					
lechnical Dala		6155	6165	6185	6215	7250	
DIMENSIONS AND WEIGHTS				<u> </u>	<u> </u>	<u>'</u>	
Front axle		CA 20.29	CA 20.29	Dana M50	Dana M60L	Dana M60L	
Front axle width (flange to flange)	mm	1,840	1,840	1,780	1,940	1,940	
Front axle width with brakes (flange to flange)	mm	1,890	1,890	1,780	-	-	
Front axle width with external dry disk brakes (flange to flange)	mm	-	-	-	2,046	2,046	
Rear axle width (flange to flange)	mm	1,720	1,720	1,890	1,890	1,890	
Rear axle width with bar axle (flange to flange) (min-max)	mm	-	-	-	-	2,322-2822	
With front tyres (min)		230/95R32	230/95R32	270/95R36	270/95R36	-	
With rear tyres (min)		270/95R44	270/95R44	380/90R46	380/90R46	-	
With front tyres (max)		600/60R28	600/60R28	600/60R30	600/60R30	600/70R30	
With rear tyres (max)		710/60R38	710/60R38	710/60R42	710/60R42	710/70R38	
Wheelbase (A)	mm	2,767	2,767	2,767	2,848	2,868	
Length (min-max) (B)	mm	4,347-5,712	4,347-5,712	4,397-5,712	4,478-5,793	4,575-6,060	
Height (min-max) (C)	mm	2,932-3,032	2,932-3,032	3,032-3,082	3.032-3,082	3,173	
Width (min-max) (D)	mm	2,456-2,720	2,456-2,720	2,486-2,720	2,486-2,541	2,550-2,750	
Ground clearance (min-max) (E)	mm	365-465	365-465	465-515	465-515	555	
Total unladen weight (min-max)	kg	7,200-7,600	7,200-7,600	7,200-7,600	7,930-8,330	8,200-9,100	



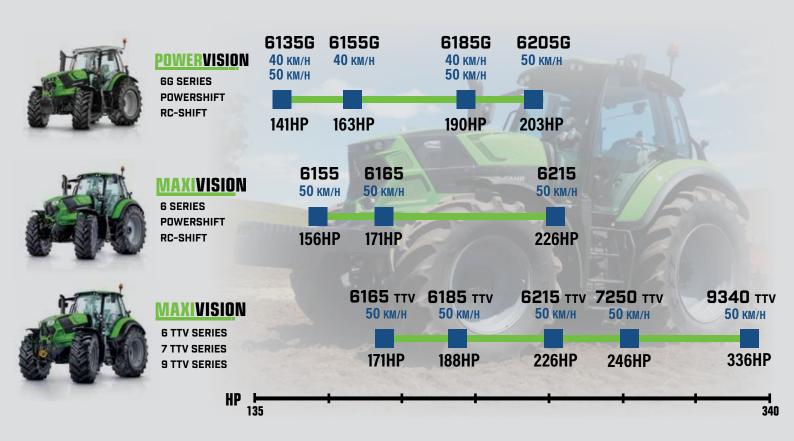


*Min length: from front hood to the rear lift arm in upper position / Max length: from 1,000 kg front ballast with front-lift to the rear lift arm in lower position
**Min-Max: according to tyres and equipment

Technical data and pictures are indicative. Committed to delivering a product more and 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 kph at low rpm according to tyres size.

THE NEW AGROTRON SERIES



THE MOST MODERN TRACTOR FACTORY IN THE WORLD MADE IN GERMANY







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