

# SERIES 7 TTV.



7250 TTV - 7250 TTV HD



# THE NEW SERIES 7 TTV.

- Deutz TCD 6.1 Stage V engine with powerful 247 HP and 1072 Nm torque. Lowest fuel consumption.
- High performance cooling system with fully accessible hinged cooling package for easiest maintenance.
- 505 l fuel tank and 35 l AdBlue capacity.
- Hydraulic system with Load Sensing pumps with up to 210 l/min maximum capacity and impressive 90 l available oil quantity for implements.
- Max. lift capacity of front lift 5.450 kg.
- Efficient TTV transmission.

## 7250 TTV: Highest agility and best power to weight ratio.

- Maximum permissible load 15.500 kg.
- Up to 6.000 kg payload.
- Max. load capacity of rear lift 10.000 kg.
- 60 kph at an engine speed of just 1.799 rpm.
- 600/70R28 front tires for optimized manoeuvrability.



## CREATED TO STAY A STEP AHEAD.

The new Series 7 TTV represents the latest evolution in a series which has set new benchmarks for this segment since its inception.

- Ergonomically designed MaxCom control armrest, with highly intuitive controls for primary functions.
- SDF Fleet Management, ISOBUS compatibility, and provisions for installation of auto-guidance systems fully compatible with Agriculture 4.0.
- Periodic maintenance intervals extended to 1000 hours (engine oil) and 2000 hours (transmission/hydraulic).
- Front loader light kit and ready kit availability.



## 7250 TTV HD: Highest payload and the highest pulling performance.

- Maximum permissible load 16.000 kg.
- Up to 6.500 kg payload.
- Max. load capacity of rear lift 11.100 kg.
- 60 kph at an engine speed of just 1830 rpm.
- 600/70R30 front tires for optimized pulling performance.

The new DEUTZ-FAHR 7 Series TTV offers better operator comfort, even greater operating range and superior efficiency, with lower fuel consumption and operating costs than ever. The new 7 Series boasts outstanding quality and unrivalled reliability: the family's two models - the 7250 TTV and 7250 TTV HD - are equipped with the Deutz TCD 6.1 Stage V engine and the new TTV transmission with highest efficiency. In addition to the high specification of the 7250 TTV, the new 7250 TTV HD (Heavy Duty) offers impressive 16 tonnes of maximum permissible load, reinforced axles and a rear lift capacity of 11,1 tonnes.

Both models have been engineered to cater for farmers and farming contractors demanding only the very best in terms of productivity, comfort, reliability and manoeuvrability.

To be highlighted is the turning radius of the 7250 TTV of only 5,95 m which gives this model highest manoeuvrability. Operating costs have been further reduced across the entire 7 series line, while using only the highest quality components to extend engine oil replacement intervals to a remarkable 1000 hours as well as transmission and hydraulic oil replacement intervals to remarkable 2000 hours. On top of all this is the SDF ExtraCare extended warranty. Two warranty packages are available: 3 years or 3000 h and 5 years or 5000 h. Work in peace of mind!

# MADE IN GERM

A green Deutz-Fahr tractor is positioned on a yellow and black striped production line in a modern, industrial factory setting. The tractor is the central focus, with its large rear wheel and smaller front wheel visible. The background shows the complex structure of the factory with overhead beams and lighting.

## A PRODUCTION PLANT FOR THE TRACTORS OF THE FUTURE.

DEUTZ-FAHR LAND (Lauingen), the most modern plant in Europe.

DEUTZ-FAHR LAND. This is the name of Europe's most modern tractor construction factory, inaugurated in Lauingen in 2017. Alongside the brand's other tractors, with outputs from 120 to 340 HP and destined for markets all over the world, this is also where the new Series 7 TTV is built. A tractor conceived to offer the best possible answer for the new challenges of modern agriculture and to take even the most difficult and diverse working conditions in its stride without compromise.

The models of Series 7 TTV set out with the clear intent to be the undisputed leaders in their class, offering unprecedented levels of productivity and reliability. Boasting superlative components, innovative mechatronic technology dedicated to precision farming and the brand-new TTV transmission, the tractors of the new 7 Series deliver extraordinary efficiency both in the field and in road transport tasks.

# ANY.



📍 The DEUTZ-FAHR LAND in Lauingen, Germany.



📈 We set new standards in production quality.

## DEUTZ-FAHR SERVICE.

Not just close, but also fast.

- High quality requirements.
- Original spare parts in premium quality.
- Fast and efficient spare parts service.
- On-time deliveries – worldwide.
- Varied product range.
- Excellent price-performance ratio.
- Remote support for fastest service.



The tractors of the new DEUTZ-FAHR 7250 TTV family are tireless work machines conceived to put the potential of agriculture 4.0 to the most productive use possible. These machines match state-of-the-art digital technology with superlative mechanical components to perfection and deliver incredible performance in all working conditions combined with superlative reliability.

---



**UNPRECEDENTED  
EFFICIENCY.**





## Highlights

---

- Extraordinary transmission efficiency, for minimised fuel consumption and maximised productivity.
- Fastest acceleration for impeccable comfort on the road.
- Capable of road speeds for transport applications of up to 60 kph with reduced engine rpms (1799 rpm for 7250 TTV and 1830 rpm for 7250 TTV HD).
- Highest wheel torque ever.



↑ PowerShuttle with Sense Clutch and five direction change settings.



↑ Ergonomic MaxCom joystick with front and rear lift, engine, transmission, headland management and two proportional hydraulic valve control units.





# TRANSMISSION.

## TTV: unimaginable efficiency.

The continuously variable transmissions of the new 7250 TTV Series are the culmination of many years' experience in powertrain development and construction. These transmissions set new benchmarks in terms of efficiency and reliability. Two variants of these transmissions are offered - the T7780 and the T7560, both of which sharing the same basic layout.

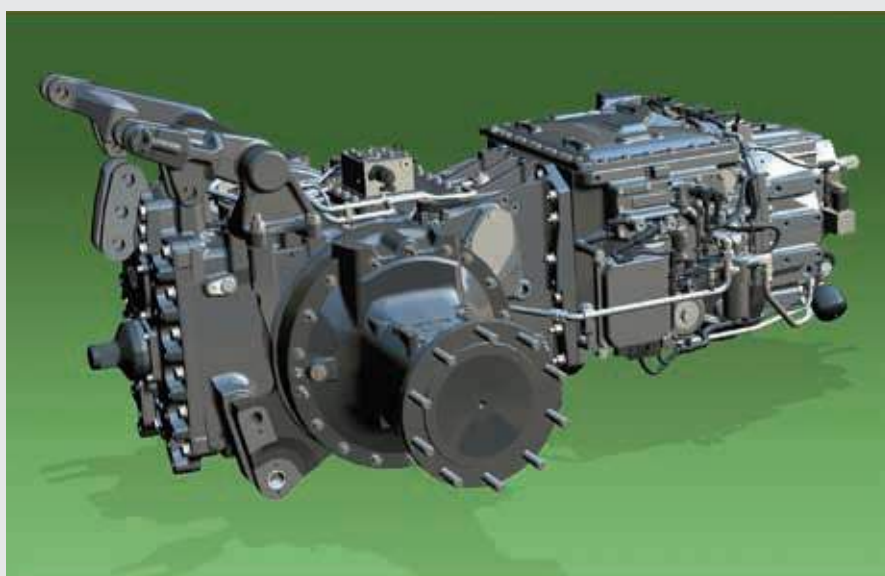
A multi-stage planetary gear unit together with the two ranges clutches works in perfect concert with the two highly efficient high pressure hydrostatic units. Thanks to this innovative design, the new continuously variable TTV transmission offers the best technology mix, for seamlessly smooth and uniform power flow in all conditions without jolting, for extraordinary productivity, lower fuel consumption and reduced energy wastage due to a high mechanical power share.

Assembled at the Lauingen plant in Germany, this powertrain attains extremely high levels of transmission efficiency and gives the tractors impressive performance in terms of prompt acceleration and pulling power.

For maximum draft capacity during the toughest conditions the torque transmissible to the wheels was substantially increased. Besides, the new TTV transmissions allow these tractors to attain a maximum road speed of 60 kph at an engine speed of just 1.800 rpm, while 40 kph is available at an incredibly low engine speed of around 1.200 rpm. The new PowerShuttle with fast reaction time offers 5 predefined responsiveness levels, selectable by the user to achieve the best results in any situation. And thanks to the new transmission layout the transmission oil replacement interval was now extended to 2000 hours – for lowest operating cost.



↑ Independent hand throttle and electrohydraulic activation of differential lock, all-wheel drive and ASM automatic function.



↑ T7780 TTV transmission.



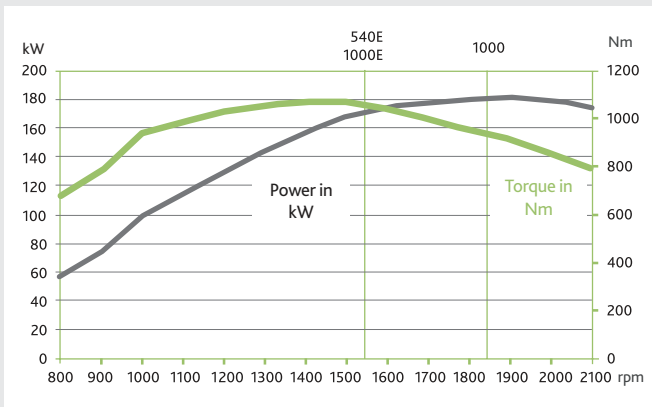
# DEUTZ: RELIABILITY, POWER AND EFFICIENCY.

An engine matching impressive performance with extraordinary fuel efficiency and legendary reliability.

The new 7 TTV benefits from the performance of the highly acclaimed 6 cylinder Deutz engine, a turbo-intercooled powerplant with common rail fuel injection equipped with injection pumps lubricated with engine oil and in its latest iteration, of course Stage V compliant. An advanced suite of exhaust aftertreatment solutions, with SCR, DOC and DPF, lets this engine express its full potential for performance with a minimum specific fuel consumption of just 202 g/kWh. Combined with the new 505 l single-piece fuel tank, this translates to incredible operating range, letting the 7 TTV series keep on working uninterruptedly for hours, even in the toughest jobs. The passive DPF used offers three advantages: it needs no additional fuel injected into the system for regeneration, produces less heat during operation and requires significantly shorter regeneration cycles. This saves time and money.

The generous maximum torque of 1.072 Nm is already available at just 1.500 rpm. This makes it possible to work effectively at lower engine speeds, reducing fuel consumption and wear and allowing for longer service intervals. The use of premium components and advanced design solutions has significantly increased reliability, as demonstrated by an engine oil replacement interval now extended to 1000 hours.

As an option the new 7TTV Series are available with an engine brake. This function, which generates additional braking force, significantly reduces wear and increases the lifespan of the components of the conventional braking system. In addition it does also increase the operators comfort.



↑ Low engine speed concept with optimised power and torque curves.



↑ Aluminium cooling system with with one-hand access lever and Powercore air filter.



↑ Deutz TCD 6.1 L06 engine.



↑ Electronic viscous fan (eVisco) with suction hose for air filter pre-cleaning system.

# PTO AND HYDRAULIC SYSTEM.

All the power, efficiency and capability you've ever wished for.

A hydraulic system matching extraordinary efficiency and performance, and a highly effective PTO. Impressive power and performance with minimal fuel consumption.

The hydraulic system of the new 7 Series features premium solutions. The hydraulic circuit is independent of the transmission lubrication circuit; so that not even the tiniest amount of power is wasted when no pressurised oil flow is needed. The system uses a Load Sensing pump, available in three variants with a choice of different maximum flow rates (120, 160 or 210 l/min). Up to 90 liter of oil is on tap for hydraulically operated implements. The new 7 series TTV can be equipped with up to five hydraulic distributors at the rear and two at the front (in addition to the front lift distributor, if installed). All distributors are electronically and proportionally controlled. A Power Beyond coupling is also available with flat face couplers as an option. For lowest maintenance cost the change interval of the hydraulic oil was prolonged to 2000 h.

The potent rear lift has a capacity of 10.000 kg in standard guise, while the lift equipping of the HD version has a capacity of 11.100 kg. Both versions are always equipped with a transport position to reduce interference with drawbars & PTOs while cornering. This is a handy solution for implements and trailers, mounted in the K80 hitch – which allows a vertical load of 4 tonnes. The rear lift uses hydraulic or automatic stabilisers, while the front of the tractor may also be equipped with a lift with position control and an impressive load capacity of 5.450 kg. The front of the tractor also features an interface for connecting ISOBUS certified implements. The rear PTO offers 540 ECO, 1000 and 1000 ECO speed modes and features a neutral position for easiest implement connection. The front lift may be chosen as either a 1000, a 1000 ECO or a DualSpeed variant with both 1000 and 1000 ECO PTOs. The ECO modes can be used effectively to power implements, significantly reducing fuel consumption and noise levels in the cab.



Front lift with 5.450 kg lifting capacity and DualSpeed front PTO.



Rear linkage, five rear spool valves, external controls on fenders on both sides.



↑ Power Beyond with flat face couplers for a clean connection.



↑ Rear linkage in transport position for less interference with drawbars while cornering.

# COMFORT ON NEW LEVEL.





Do you have long working hours? The outstanding on-board comfort of the new 7250 TTV Series means that you'll never want to leave the cab, even during the most challenging and strenuous tasks.

---



# SUPERLATIVE COMFORT.

That even the longest working days seem short.

---

On board of the new 7 Series TTV, you'll never have to worry about staying comfortable, even in the toughest working conditions.

Total comfort, with minimal stress on the operator, is crucial for working at peak productivity and in complete safety. The latest generation of the MaxiVision Cab sets new benchmarks for comfort and functionality. The pneumatic suspension system, the use of premium materials, the generous space, the ergonomically excellent layout and a climate control system with optimised air flow in the cab all contribute to creating a supremely comfortable work environment, where the operator can work stressfree and in total calmness even throughout the longest working day and in adverse weather conditions.

The ergonomically designed and rationally laid-out controls present all the information the operator needs simply and

clearly, making the tractor even easier and safer to drive. The cab is physically separated from the cowl to minimise the heat, vibration and noise transmitted to the interior of the cab itself. This sets a standard in terms of noise comfort. A lower rear panel in acoustically insulating glass also contributes to minimising noise in the cab, with peak noise levels of just 69 dB(A) at maximum engine speed. The new MaxView windscreen, together with the generously sized side windows, rear pane and the tapering design of the cowl, ensure clear and unobstructed all-round visibility to give the driver a commanding view of the entire area the tractor is working in.

Potent LED lights improve exterior visibility in low light conditions, while consuming considerably less energy than conventional lighting solutions. The new colour screen of the InfoCenter<sup>PRO</sup> with state of the art TFT display technology shows all information clearly





## Highlights

- Fully adjustable MaxCom armrest.
- Comfort leather seat with active ventilation and heating system and 23 degree swivel function.
- Passenger seat with leather cover.
- Air suspended cab.
- Air conditioning with additional air nozzels for best ventilation.
- Monitor rail for external displays.
- Mobile phone holder.
- USB charging ports.
- DAB+ radio with Bluetooth handsfree option.
- Beverage refrigerator.

in every situation, while the MMI puts all the settings of the tractor at the fingertips of the operator.

New functions are implemented in the InfoCenter<sup>PRO</sup>, including the Advanced Auto Mode which allows you to manage the minimum and maximum engine speed separately, or the iLock, which can also be used as an anti-theft device when the tractor operates at a fixed point, for example on an electric generator.

The openable roof hatch is available in a choice of three versions, including also a version with FOPS (Falling Object Protective Structure) certification.



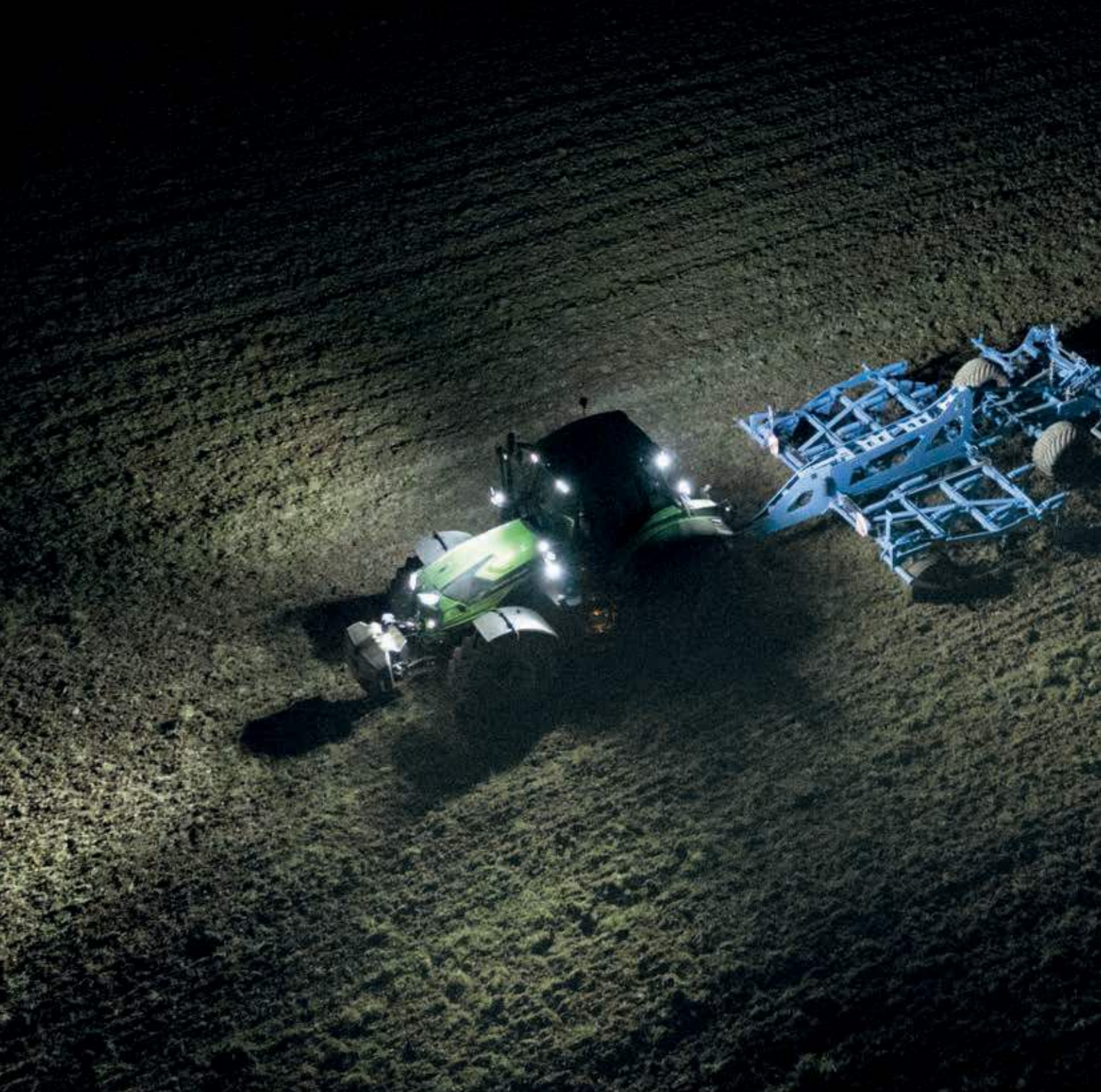
Perfect front view due to low bonnet and small A-pillars.



Additional air outlets and battery main switch comfortably placed in the cabin.



Adjustable monitor support rail.



# INCREDIBLE LIGHTING POWER.

An optional LED lighting package with 23 LED lights available for the 7250 TTV family turns even the darkest night into day.

---



↑ Fender controls on both sides illuminated with LED light bar.



↑ Impressive LED light output under all conditions.



↑ LED driving lights and characteristic LED worklights.

On board of a 7250 TTV, external visibility is no problem even during the longest overnight shifts. A new LED lighting pack ensures ideal visibility conditions comparable to daylight even when working at night. For greater practicality, the top-mounted front position LED lights switch on automatically when the engine is started, lighting the area ahead of the tractor with clarity and a distinctive light impression. For impeccable visibility when driving on the road, a complete LED driving light pack may also be ordered which includes dual LED headlamps, LED position and turn indicators, LED brake lights and LED tail lights. The potent work lighting pack is available with up to 23 LED lights producing clear, intense illumination.

In the most comprehensive configuration, the pack adds an incredible 50.000 lumens of lighting power! All the lighting controls are organised rationally on the right hand side of the cabin on a work light panel (WOLP). Always included is a practical "coming home" function. This function, activated by the driver by briefly pulling the selector stalk (high beam flash function) after switching off the engine, turn the work lights and courtesy lights on for a short timer-controlled period, allowing the driver to leave the tractor safely at night and make their way to their destination after a long working day.



# SUSPENSION AND BRAKES.

An innovative pack for unparalleled comfort and safety.

The innovative active front axle suspension system and the optional pneumatic cab suspension offered on the 7250 TTV family in combination with the dry disk brakes and the 60 kph max speed are features not found on other machines in this class. The Anti Dive function of the intelligent, adaptive suspension system maximises vehicle stability by preventing the front end from diving in deceleration situations. This ensures optimal weight distribution over the front and rear axles and reduces stopping distances. The brake booster ensures excellent and responsive braking performance at the lightest touch of the pedal. For superlative safety, especially when transporting heavy implements by road, the 7250 TTV may be equipped with high performance dry disk brakes on the front axle, allowing them to attain a maximum road speed of 60 kph (where permitted by law), with a maximum permissible load up to 16.000 kg (HD) and an effective payload capacity of up to 6.500 kg (HD).

The optional intelligent "Dual Mode" hydraulic trailer braking system is also available, allowing the tractor to be connected to both trailers compliant with the recent Mother Regulation and earlier models. These braking systems automatically recognise the type of trailer connected and adapt braking performance accordingly. For even greater safety and comfort, the optional pneumatic trailer braking system features the aTBM function, which not only optimises braking behaviour but also provides the driver with feedback relative to the state of the trailer brakes. The aTBM (advanced trailer brake management) function was developed and patented by SDF and improves safety in deceleration with trailers. Impeccable on-board comfort is ensured in all conditions by self-levelling pneumatic cab suspension, which adjusts height automatically in relation to load and isolates the cab as effectively as possible from vibrations and bumps.



↑ Air-suspended cabin for maximum driving comfort.



↑ Front suspension concept with high ground clearance and 3 adjustable levels inside the InfoCentre<sup>PRO</sup>.



↑ Highest driving comfort also fully ballasted on long working days.



# WARRIOR EDITION.

An exclusive and even more generously equipped version.

---

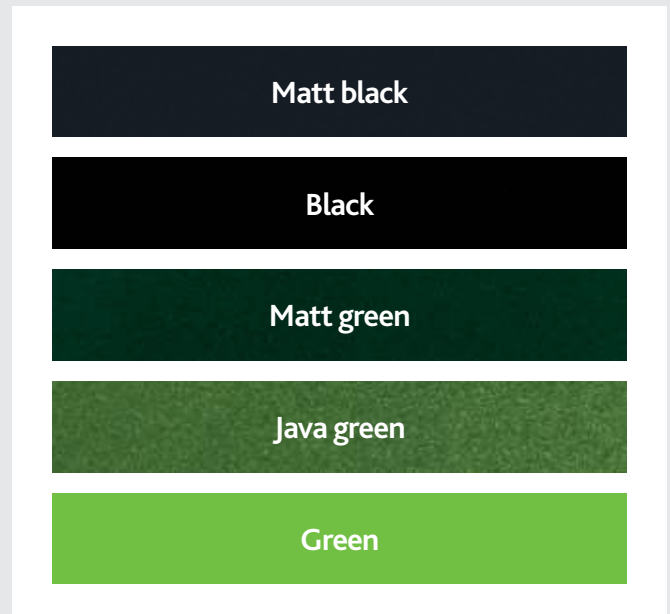
## Highlights\*

- Warrior comfort seat.
- DEUTZ-FAHR floor mat.
- Stainless steel exhaust cover.
- Warrior decal and silver chrome clasp on bonnet.
- LED light package.
- Illuminated external controls.
- Automatic air conditioning.
- Rear lower soundproof glass.
- Warrior colours: green, java green, matt green, black or matt black.

\*Available equipment depends on the market.



LED package and brilliant black paint.



Besides in green, the Series 7 TTV Warrior can now also be ordered in java green, matt green, black and matt black.



LED light stripe illuminating external controls.

Added comfort and exclusive options: the 7250 TTV Warrior!

The 7250 TTV Warrior is the special limited edition version created for the toughest jobs in the field and on the road. Take advantage of the special Warrior LED lighting pack and the various design features to make your tractor unique. Enjoy the luxury of the comfortable Warrior seat and the automatic climate control system.

With its high gloss black colour scheme and exhaust with stainless steel finish, the Warrior editions of the 7250 TTV make a bold impression and stand out unmistakably from the crowd.

# SDF SMART FARMING SOLUTIONS.







The new tractors of the 7250 TTV family can be equipped with various products and services to simplify work and increase productivity.

---



# AGRICULTURE 4.0: FULLY CONNECTED.

The tractors of the new 7250 TTV family offer class-beating technology, letting you get on with your work with even more intelligent solutions.



## Highlights

- iMonitor3 as centralised interface for managing a number of different applications for guidance, data management, ISOBUS and additional optional features like XTEND or Auto-Turn.
- SDF Guidance with plenty of comfortable features and the new SR20 GNSS receiver for superior precision.
- Wide number of ISOBUS functions like automatic Section Control with up to 200 sections or TIM.
- SDF Data Management for reliable data exchange e.g. with agrirouter.
- SDF Fleet Management for total remote control of machine data.

The tractors of the new 7250 TTV family offer class-beating technology, letting you get on with your work with even more intelligent solutions. Automated guidance systems maximize operator comfort. The tractors of the new 7250 TTV family may be equipped as an option with the most advanced and sophisticated auto-guidance and telemetry systems. Centimetre precision avoids wasteful overlapping, saving fuel, reducing component wear and minimizing usage of the tools necessary for production. The connectivity solutions offered by DEUTZ-FAHR make interaction between the office and machinery even simpler.



↑ XTEND function with tablet, control of implements via ISOBUS UT while being outside of the cabin.



↑ SDF Guidance: plenty of features (like Auto-Turn) for highest convenience.



↑ Headland management with Auto-Turn and ComfortTip<sup>PRO</sup> relieves the operator in demanding situations.

The new SDF Fleet Management suite puts the user in total control of the new 7250 TTV. The application lets the owner keep track of the position of the tractor in real time, wherever it is. SDF Fleet Management can also be used as an effective tool for planning maintenance, by making use of its notification functions, and for acquiring data relative to performance and fuel consumption. With the SDF Fleet Management application, dealers can always assist drivers in case of any upcoming issues that may occur. This reduces downtime and increases operation reliability of customer's machine.



# iMonitor3.

An innovative terminal putting the driver in total control of the machine.

The iMonitor3 is the central control element and comes along with updated graphics for a new user experience that is now even more simple and intuitive to use. A choice of 8" or 12" monitor sizes is available; the latter of which is the largest terminal size available on any tractor on the market today. It allows the driver to manage all the most important functions of the machine, such as tractor settings, guidance, ISOBUS implement control and data management.

You can split the screen into different fields to display dedicated functions, while an effective anti-glare coating ensures that all the information are clearly visible. State of the art touch screen operation and the optional external MMI control makes it even more comfortable.

Intuitive and immediate usability are crucial given the large number of functions controllable from the terminal: and everything is accessible from a single controller interface situated ergonomically on the armrest. Support functions such as quick guides and icon tooltips, combined with a clear menu structure ensure simple, intuitive usage. And if the operator still has any doubts on the functions of the interface, these can be resolved quickly by using the remote support function. iMonitor3 is a highly practical interface connecting the driver, tractor, implement and office. Besides a huge number of features available already as standard, it is even possible to unlock further functions and by this increase also level of usability – such as the XTEND function which allows screens to be extended onto external tablets.

Modern auto-guidance systems not only improve productivity by reducing driver stress, they also offer significant time savings by ensuring greater precision during work in the field. The SDF Guidance application allow to work comfortable and always at highest precision.

**SR20**

SR20 is a new GNSS auto-steering receiver designed for highest accuracy and performances in field. It is capable for the reception of all important satellite systems (GPS, GLONASS, GALILEO, QZSS and Beidou) to achieve reliable satellite tracking for consistent accuracy during all conditions. As the hardware contains as standard a 3-axis gyroscope for detecting smallest movements, its accuracy level can easily be upgraded e.g. from DGPS corrections like Egnos to RTK.

## ISOBUS.

---


Electronics increase the safety, precision and efficiency of agricultural machinery. With ISOBUS, the operator can now control all compatible implements from a single monitor (UT). The iMonitor3 can be used as a central controller for all ISOBUS applications and for managing a wide variety of operations. Many functions are available without activating a license: such as assigning AUX (AUX-N) functions, automatic switching of up to 200 sections (TC-SC) and processing application maps (TC-GEO).

## TIM (TRACTOR IMPLEMENT MANAGEMENT).


---

As first tractor producer on the market DEUTZ-FAHR has received the TIM certification. This allows a bi-directional communication between tractor and implement. As a result the implement itself can automatically control a number of tractor functions, allowing it to control ground speed and manage hydraulic distributors, the lift and the PTO. The TIM function is yet another key element for even greater efficiency, less fatigue and improved productivity.




 SDF Guidance assists drivers: All day long, in each condition, with reliable high accuracy.




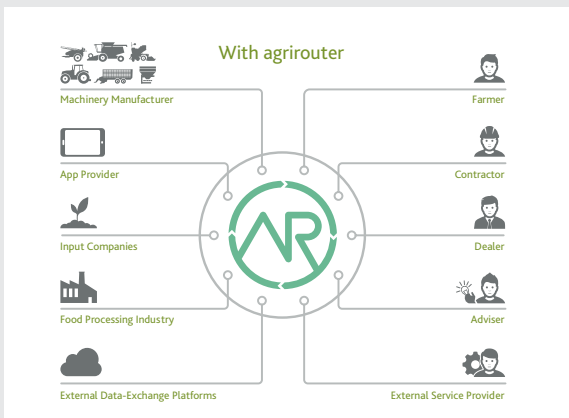
 The XTEND function allows the display of SDF Guidance or let you control an ISOBUS implement on an external device, e.g. a tablet.



 ISOBUS: you can plug any type of implement and benefit from various ISOBUS features.



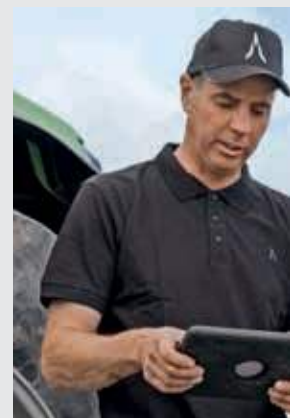
 The new Series 7 is AEF certified for various features and even already TIM ready.



↑ The agrirouter allows users to communicate from different areas of application, ensuring reliable data exchange.



↑ Connect the 7 Series TTV with your dealer for fast and comfortable support.



↑ SDF Fleet Management gives access



to machine relevant data at all time.

# SDF Smart Farming Solutions

## State of the art technology for total connectivity.

Optimise operations. Increase efficiency. Linking machines, to the office and to any other external sources simplifies various work processes. SDF Smart Farming Solutions offer practical solutions for managing key data and staying connected at all times. The user is completely free to make his own choices and decisions at any time, while all data remain the sole property of the user.

### SDF Fleet Management

With the new SDF Fleet Management application, SDF offers customisable solutions for the real-time management of key data concerning the operation of the machine. Our clients benefit significantly from being in total control of their machines and from the ability to manage a host of vital data, such as tracking data relative to activities. The SDF Fleet Management suite of applications is the centralised control interface for analysing telemetry data from DEUTZ-FAHR machines. Tractor data are transmitted in real time over a mobile internet connection to the application, which allows users to analyse, monitor and even optimise the usage of their machinery. The "map" view shows the location and status of machines or an entire fleet, and can also display historical data. On request, you can set up virtual fences to receive warnings if a machine leaves the area. Error messages may be forwarded to the technical support team of the dealership, and used to predict failure and reduce unnecessary machine down time. Thanks to the Remote Support application, dealers can easily access to the iMonitor3 after drivers permission to assist for eventual upcoming operational questions or issues.

### SDF Data Management

Efficient Data Management is becoming increasingly important to optimize work processes for farm and field management. SDF uses standard file formats like shape or ISO-XML for more reliable data exchange. This allows users to keep track of what is going on at all times with coherent data transferred in a coordinated manner.



Agrirouter is a universal platform permitting reliable and neutral data exchange between a wide variety of different terminals. The platform simplifies data exchange and, therefore, work processes, reducing office workload and improving economic efficiency, freeing up valuable time for other activities. As a neutral data exchange platform, this is a solution to one of the biggest hurdles for digitalisation in agriculture, allowing farmers and contractors to exchange data between machine applications and agricultural software applications from different manufacturers. Each user can create a free personal agrirouter account and configure it individually. The paths to and from which data are transferred are defined by the user only in the settings menu. A list of partners and additional information can be found at [www.my-agrirouter.com](http://www.my-agrirouter.com). The new 7250 TTV family is already fitted with all the necessary hardware from factory, existing DEUTZ-FAHR tractors may be retrofitted subsequently with the required components.

# TOTAL VERSATILITY.

The new 7 series TTV, the ultimate loader tractor.

DEUTZ-FAHR would not be what it is today if, in addition to designing extraordinary machines, its engineers were not also dedicated to making every machine as versatile as it can possibly be. In keeping with this, DEUTZ-FAHR also offers a choice of front loader predisposition named "LIGHT Kit" and "READY Kit". For highest comfort the front-loader control is fully integrated in the MaxCom armrest – featuring the control of the front loader including 3rd function, the damping system and the easy steer fast steering system.

- Profiline FZ80.1 front loader
  - More than 4,5 m lift height (tyre-dependent)
  - More than 3.750 dekanewton breakaway torque
- Fast lifting and highest comfort thanks to
  - 210 l/min hydraulic pump
  - Easy steer fast steering system
  - Adjustable PowerShuttle with Sense Clutch
  - Power Zero function



↑ Versatility in every situation.



↑ Ready for the silage heap. With a top speed of 60 kph, you'll get to your next destinations faster than ever.



↑ Enormous 4,5 m lift height.



# SIMPLIFIED MAINTENANCE.

Well thought out, from the beginning.

Intelligent solutions for less and shorter maintenance times, such as:

- Prolonged oil change intervals
  - 1000 h or every two years engine oil
  - 2000 h or every two years transmission oil
  - 2000 h or every two years hydraulic oil
- Sight glasses for visually inspecting levels of:
  - coolant
  - hydraulic oil
  - transmission and front PTO oil
- Engine oil dipstick accessible without opening the cowl
- External compressed air connection under right hand access steps for cleaning:
  - the cab (and relevant filters)
  - the hinged radiators

- Handy battery port on the right side
- Fuse check on the board directly in the cabin

DEUTZ-FAHR tractors are traditionally machines which are easy to maintain. Extended service intervals, reduced machine downtimes and easy access to all maintenance points increase the overall economic efficiency of every single model. The tractors of the new 7250 TTV family not only follow this tradition but improve it even further.

**SDF ExtraCare extended warranty:** two warranty packages available, 3 years or 3000 h and 5 years or 5000 h.



TECHNICAL DATA	SERIES 7 TTV AGROTRON		
		7250 TTV	7250 TTV HD
<b>ENGINE</b>			
Model		Deutz TCD 6.1 L06	
Emissions		Stage V	
Cylinders / Displacement	no / cc	6 / 6058	
Turbocharger with charge air cooling		●	
E-Viscstatic fan		●	
Injection pressure (Deutz Common Rail)	bar	1600	
Max. power (ECE R120)	kW / hp	181/247	
Power at rated speed (ECE R120)	kW / hp	174/237	
Speed at maximum power	rpm	1900	
Max. engine speed (rated)	rpm	2100	
Max. torque	Nm	1072	
Speed at maximum torque	rpm	1500	
Air filter with dust ejector		●	
Exhaust Engine Brake <sup>plus</sup>		○	
Fuel tank capacity	l	505	
AdBlue capacity	l	35	
Oil change interval	hours	1000	
<b>TTV TRANSMISSION</b>			
Model		TTV transmission T7560	TTV transmission T7780
Transmission ratio		1,3584	1,3402
Top speed 60 kph ECO	rpm	1799	1830
Top speed 50 kph SuperECO	rpm	1499	1535
Top speed 40 kph UltraECO	rpm	1199	1220
Active standstill (PowerZero)		●	
Cruise control	qty.	2 each direction	
Driving strategies (Auto / Advanced Auto / PTO / Manual)		●	
PowerShuttle with SenseClutch (5 control stages)		●	
Oil change interval	hours	2000	
<b>HYDRAULICS AND LINKAGE</b>			
LoadSensing pump capacity (standard)	l/min	120	
LoadSensing pump capacity (optional)	l/min	160 / 210	
CleanOil Hydraulic system (seperate hydraulic circuit)		●	
Maximum removable oil quantity (max filling)	l	90	
Seperate steering pump (double)	l/min	58 + 28	
Hydraulic auxiliary control valves (standard)	qty.	4	
Hydraulic auxiliary control valves (optional)	qty.	5 rear / 1 or 2 in front / 1 for front lift	
Aux valves settable in time and flow - proportional engagement		●	
PowerBeyond standard couplers		○	
PowerBeyond flat face couplers		○	
Automatic lower link stabilizers (Hydraulic or mechanical)		○	
Radar		○	
Rear linkage lifting capacity	kg	10000	11100
External operation on rear fenders		●	
Transport positon for lower links		●	
Front linkage with position control		○	
Front linkage lifting capacity	kg	5450	
External operation on front lift		○	
Automatic upper link front		○	
Hydraulic upper link front		○	
Hydraulic upper link rear		○	
Oil change interval	hours	2000	
<b>PTO</b>			
Rear PTO 540ECO / 1000 / 1000ECO		●	
Rear auto PTO		●	
Front PTO 1000 or 1000 ECO		○	
Front PTO DualSpeed 1000 / 1000ECO changeable in InfoCentre <sup>Pro</sup>		○	
Front auto PTO		○	
<b>AXLES AND BRAKES</b>			
Model		Dana M60L	Dana M60HD
Suspended adaptive front axle		○	
External dry disc brakes, front		○	
Electro-hydraulic differential lock 100%		●	
ASM system		●	
Performance steering ready with EasySteer function		○	
Steering angle	degrees	52	
Brake booster (PowerBrake)		●	
Electronic parking brake (EPB)		●	
Pneumatic trailer brake with advanced trailer brake management (aTBM)		○	
Hydraulic trailer brake with DualMode function		○	


● = standard ○ = option – = not available

Max. speed of 50/60 kph where permitted. Max 40/50/60 kph at low rpm according to tyre size.

TECHNICAL DATA		SERIES 7 TTV AGROTRON	
		7250 TTV	7250 TTV HD
<b>ELECTRICAL SYSTEM</b>			
Voltage	V	12	
Standard battery	V / Ah	12 / 180	
Alternator	V / A	14 / 200	
Starter motor	V / kW	12 / 3,1	
External socket		●	
Interface for attachments 11786 (7-pole)		○	
External socket, 30 A		●	
<b>MAXI VISION 2 CAB</b>			
Mechanical cab suspension		●	
Pneumatic cab suspension		○	
Adjustable and telescopic rear view mirrors with courtesy LEDs		●	
Heated and electronic adjustable rear view mirrors with LEDs		○	
Air conditioning		●	
Automatic A/C system		○	
Roof hatch		●	
High visibility roof "LowE"		○	
High visibility roof FOPS		○	
Multifunction armrest with MaxCom joystick		●	
iMonitor3 with 12" or 8"		○	
AutoTurn		○	
XTEND		○	
ISOBUS (with front, rear and in-cab connectors)		○	
TIM (Tractor Implement Management)		○	
VRC (Variable Rate Control)		○	
SC (Section Control) 200 sections		○	
MMI with 3 programmable short keys		○	
SR20 RTK receiver		○	
CTM connectivity module		●	
Attachment rail with socket		○	
Light control panel (WOLP) with coming home function		●	
Comfortip Professional		○	
Seat Max-Comfort Plus XL with heating function		●	
Seat Max-Dynamic Plus DDS XXL with 23° swivel, heating and dynamic damping system		○	
Seat Max-Dynamic Evo DDS XXL with synthetic leather, 23° swivel, active climate system and dynamic damping system		○	
Passenger seat		●	
Pre-arrangement for radio with antenna and 4 loud speakers		●	
High-level DAB+ Radio with Bluetooth and hands-free function		○	
12x Halogen work lights		●	
Up to 23x LED work lights		○	
Up to 2x Beacon light LED		○	
LED driving light		○	
iLock function		●	
<b>FRONT LOADER</b>			
Pre-arrangement light kit		○	
Pre-arrangement ready kit (including HydroFix)		○	
Front loader model		ProfiLine FZ80.1	
Overloading height	mm	4500	4550
Breakout force 900 mm before the pivot point	daN	3770	
<b>DIMENSIONS AND WEIGHTS</b>			
Front tyres (min.)		420 / 85 R30	540 / 65 R34
Rear tyres (min.)		480 / 80 R46	650 / 85 R38
Front tyres (max.)		600 / 65 R30	600 / 70 R30
Rear tyres (max.)		900 / 60 R38	
Wheelbase	mm	2918	
Length	mm	4867 - 6271	
Height	mm	3250 - 3300	
Width	mm	2499 - 2990	
Ground clearance	mm	510 - 560	
Front axle width (flange to flange)	mm	1940	
Front axle width with external dry disk brakes (flange to flange)	mm	2046	
Rear axle width (flange to flange)	mm	1890	
Unladen weight, front	kg	3640 - 4385	3715 - 4460
Unladen weight, rear	kg	5390 - 5940	5470 - 6015
Total unladen weight	kg	9030 - 10325	9185 - 10475
Wheel weights		○	
Maximum permissible axle load, front	kg	6000	6400
Maximum permissible axle load, rear	kg	11000	
Maximum permissible weight @ 60 kph	kg	15500	16000
Maximum K80 hitch load - lowest position	kg	4000	

Technical data and figures are only provided for guidance. Oil change intervals are also linked to biennial cycles. DEUTZ-FAHR is committed to continuously adapting its products to your requirements and therefore reserves the right to make updates without prior notice.

To discover more please contact your dealer  
or visit [deutz-fahr.com](http://deutz-fahr.com).

DEUTZ-FAHR is a brand of  SDF

