

SERIES 5D TTV.



5095 D TTV - 5105 D TTV - 5115 D TTV
STAGE V



THE NEW SERIES 5D TTV.

Performance.

The new 5D TTV features extraordinary performance and efficiency thanks to FARMotion 45 engine, powerful hydraulics with Load Sensing pump and high-capacity rear lift. The new model is also ready for the challenges of modern agriculture thanks to SDF Smart Farming Solutions and autoguidance integration.

Flexibility.

The new 5D TTV is perfectly aligned with the requirements of farmers, orchard growers, municipalities and all other customers alike who need a compact and powerful tractor they can use for a wide range of tasks. The new 5D TTV gives users the choice: 3 power ratings, standard or compact rear lift, fixed or suspended front axle, tyre-combinations for an overall width from 1.75 to 2.2m, and many possibilities to individualize the hydraulics - just to name a few of the various options the 5D TTV provides.



SERIES 5D TTV STAGE 3A.

Reaching new heights.



Comfort.

Despite the compact size typical for utility tractors, the new 5D TTV offers the same level of comfort you can find in high-horsepower segment. A 4-post cab suspended on a Hydro Silent-Block, an easy-to-operate MaxCom armrest and bluetooth radio will make hard working days much more comfortable. The combination of the independent front axle suspension with the rear lift vibration damping functionality and TTV transmission ensures smooth driving under all conditions. In addition to that, PneuTrac tyres, while reducing soil compaction, further increase the level of driving comfort.

Safety.

From 4-wheel braking and hydraulic parking brake to cab with Cat. 4 filtration and FOPS roof – the 5D TTV models offer a unique package of features aimed at increasing the safety of your work. In addition to that, the PowerZero function of the TTV transmission allows to temporarily stop the tractor without pressing the brake pedal, increasing the level of safety, especially when using the tractor in hilly fields or roads.

Whatever your challenge, the new 5D TTV turns it into a great experience. Equipped with the latest technology from DEUTZ-FAHR, it takes performance and comfort to the next level. With TTV transmission, a cab suspended by Hydro Silent-Blocks and an independent suspended front axle, even the longest working days will feel short. Thanks to its quality components, it is a reliable, long-lasting tractor and thus, a great investment in the future of your business.

The new 5D TTV is a true all rounder: no matter if it's time for haymaking, seeding, spraying, fertilizing, weeding or soil tillage, the

new 5D TTV is the perfect tractor for a wide range of tasks, both in the open field as well as in orchards and vineyards. Due to its compact dimensions, its TTV transmission and its powerful and clean FARMotion 45 Stage 3A engine and the top level hydraulics, it is also suitable for municipal applications like snow removal, roadside mulching and road cleaning.

From vine or orchard growing to cattle breeding, if you are asking for performance and comfort, the 5D TTV is the right choice for you. Welcome to the top!

PERFORMAN



CE.



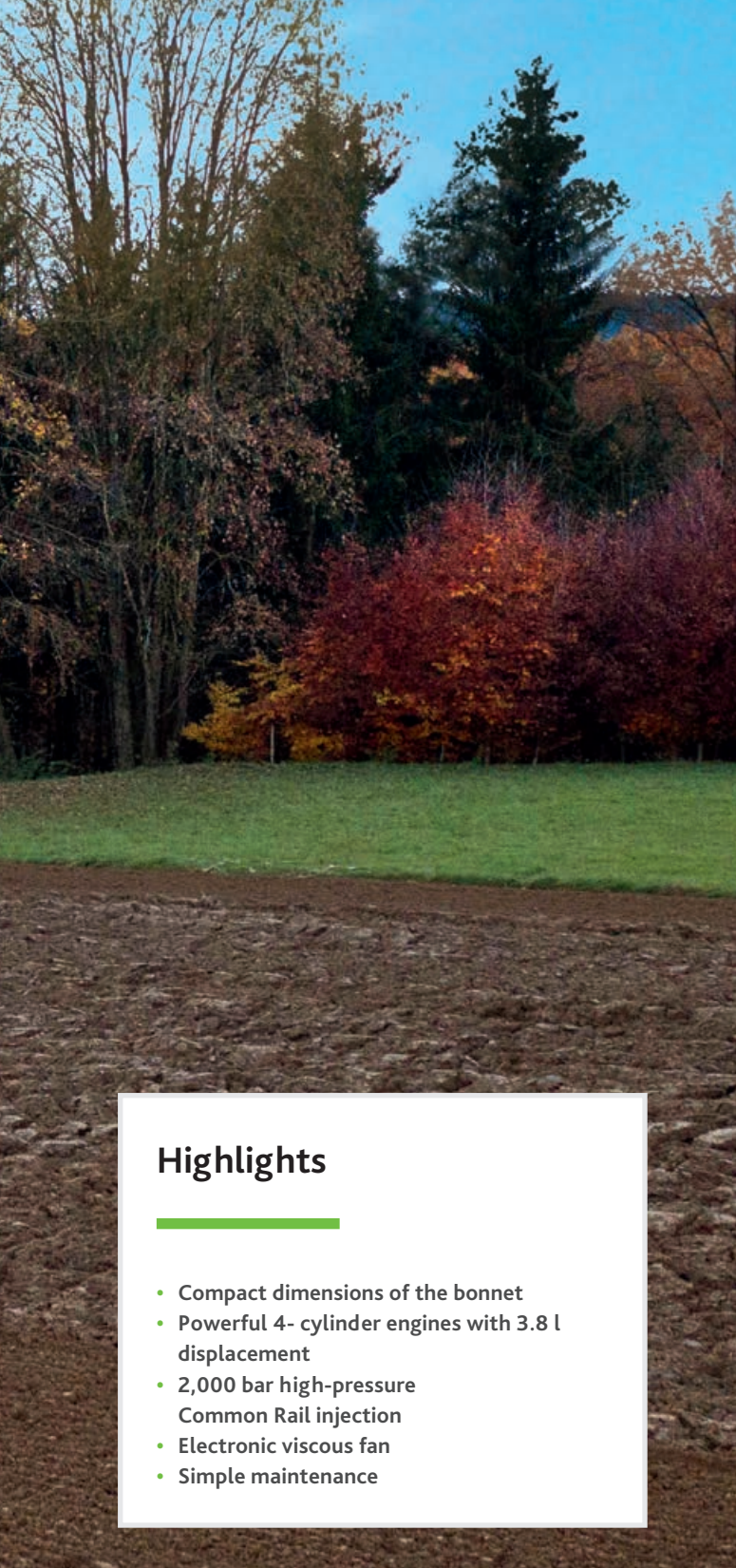
Powerful FARMotion 45 engines, a high rear and front lift capacity, TTV transmission and fully integrated autoguidance make the new 5D TTV suitable for a wide range of tasks – even for applications that are normally reserved for bigger tractors.



ENGINE.

Increasing your productivity.



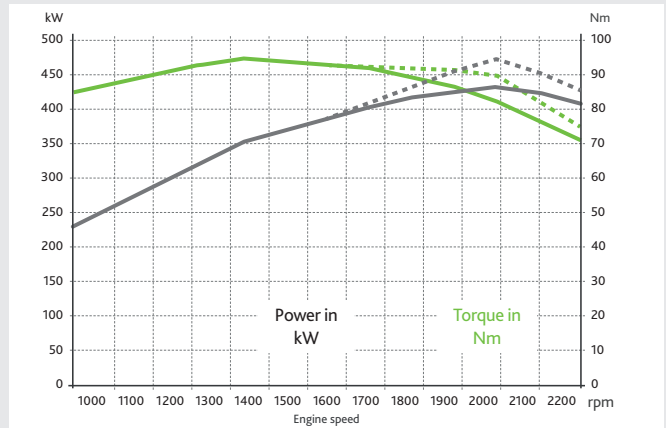


Highlights

- Compact dimensions of the bonnet
- Powerful 4- cylinder engines with 3.8 l displacement
- 2,000 bar high-pressure Common Rail injection
- Electronic viscous fan
- Simple maintenance

The new 5D TTV tractors are equipped with powerful FARMotion 45 engines with 4 cylinders and a power range from 95 to 116 (126 with Overboost) hp, developed to meet the highest standards of modern agriculture. The engines combine top performance and reliability with compact dimensions and minimal maintenance requirements. Constant power and torque curves even at low engine speeds ensure productive work and low fuel consumption.

FARMotion 45 have also raised their torque and power across the entire operating range of the engine, and the 5115 D TTV now delivers a max. power of 116 hp, which increases to 126 hp with Overboost mode active. The Overboost function also increases available torque in higher rpm for unrivalled performance during transport applications.



Thanks to OverBoost power management the 5115 D TTV model gains 10 Hp more, reaching a max. power of 126 Hp.



Compact and tidy under bonnet.



Easy cleaning and maintenance.

FARMotion 45 engines are turbocharged and employ electronically controlled Common Rail fuel injection and intercooled forced air induction systems. With injection pressures of 2,000 bar, they ensure fantastic power development in all load conditions and efficiency at the same time. Using a compact and fully integrated exhaust after-treatment system, 5D TTV are able to comply with Stage 3A emission limits (no requirement for AdBlue) without compromising their qualities of agility, manoeuvrability and visibility.

Highlights

- Stepless driving from 0 to 40 km/h
- Max. speed at economy engine revs: 40 km/h at 1,730 rpm
- Stepless and clutch-less starting, accelerating and stopping under all conditions
- 3 driving strategies: Auto, PTO and Manual
- PowerZero function
- 2 cruise memories (2 forward + 2 reverse)
- 2 speed ranges with automatic shifting



TTV TRANSMISSION.

Taking comfort to a new level.

The new 5D TTV with continuously variable transmission combines performance, comfort and efficiency. With an infinite number of speeds and 3 different driving strategies (AUTO/MANUAL/PTO), the tractor is always in the right gear and turns every task into a great driving experience increasing the productivity of your work.

The 5D TTV Stage 3A is extremely easy to operate. Every task can be performed by simply setting the desired speed with the joystick and attaining the required speed with the throttle. Or, in a simpler way, by pressing the buttons of cruise-speed. The engine speed and transmission ratio are matched automatically to ensure maximum efficiency in relation to the load. The changeover from one range to the next is transferred fully automatically in order to guarantee no frictional losses. Thanks to the PowerShuttle, the driver can change the direction while being on the move and under load with no interruption in torque transmission for precise maneuvers in every situation. Furthermore, the SenseClutch feature allows the setting

of PowerShuttle responsiveness in 5 levels, for fast or soft direction changes.

The safety and comfort of the 5D TTV Series are further improved by the PowerZero feature which allows to stop the tractor temporarily simply by releasing the accelerator pedals without having to activate the brakes, the PowerShuttle lever or clutch pedal.

The new 5D TTV is not only able to increase your productivity in field, but it can also increase the performance of your farm on the road: thanks to the possibility to reach 40 km/h at economy engine speed it allows low fuel consumption during road transfers. In addition to that, a complete package of PTO speeds is available. 540-540E and 1000 rpm are included in standard configuration, but if you are working with drive-axle trailers a ground speed PTO is also available.



↑ SenseClutch: customizable response of transmission reactivity and efficiency.



↑ MaxCom joystick for simple management of TTV transmission.



↑ Easy engagement of front and rear PTO through buttons on MaxCom armrest.



↑ PTO speed selector.

HYDRAULICS.

What we call a multi-talent.

No matter if orchard, vineyard or open field, the new 5D TTV models offer outstanding hydraulic performance and flexibility. Electronic sensing allows precise and effective draft, position and mix control of the rear lift. The electronic control of the rear lift furthermore enables vibration damping during high-speed journeys. The vibration damping system reduces shock load, ensures a smooth ride even on bumpy roads and increases comfort when driving on the road with mounted equipment. In order to meet the needs of both orchard and open-field applications, the rear hitch is available in two configurations: "Standard" with a lifting capacity of 4,310 kg or "Compact" with a lifting capacity of 3,660 kg, giving the possibility to reach a minimum width of 1,75m (depending on the tyres). A front lift is optionally available with double acting function and a lifting capacity of 2,100 kg. The front lift is operated by an independent distributor with an independent control. In order to keep the tractor compact, lower links can be folded when the front linkage is not used. As an option, a front 1,000 rpm PTO is also available. Hydraulics layout can be customized according to your needs: from 3 up to 5 rear hydraulic valves that can be further enriched with additional 2,4 or 6 ways valves fitted in the mid-mounted position. These hydraulic valves are supplied by a 84 l/min gear pump or a Load Sensing pump with 100 l/min flow rate. In any case all distributors are electronically controlled with the possibility to adjust oil flow and activation time – even when they are active. In addition to the powerful 100 or 84 l/min pumps, the new 5D TTV is equipped with a 42 l/min pump, feeding the hydraulic steering unit only. This ensures smooth and progressive steering action without reducing the hydraulic power.

Highlights

- High front lift capacity (2,100 kg)
- High rear lift capacity (up to 4,310 kg)
- Up to 5 rear distributors with electronic control
- 100 l/min Load Sensing pump or 84 l/min open centre
- Two three-point hitch options:
standard or compact (for narrow track)
- Vibration damping as standard



↑ Rear lift and PTO have external controls on rear mudguards.



↑ 5D TTV models can be equipped with a front lift with 2,100 kg capacity and optional comfort package.



↑ Up to 5 rear spool valves.



↑ Spool valve easily controlled by joystick and fingertip.



↑ Mid-mounted hydraulics ways for front implements.

With independent front axle suspension, 4-wheel braking system and cab suspension with Hydro Silent-Blocks the new 5D TTV masters any terrain with ease. It provides a great level of comfort and safety on and off the street.



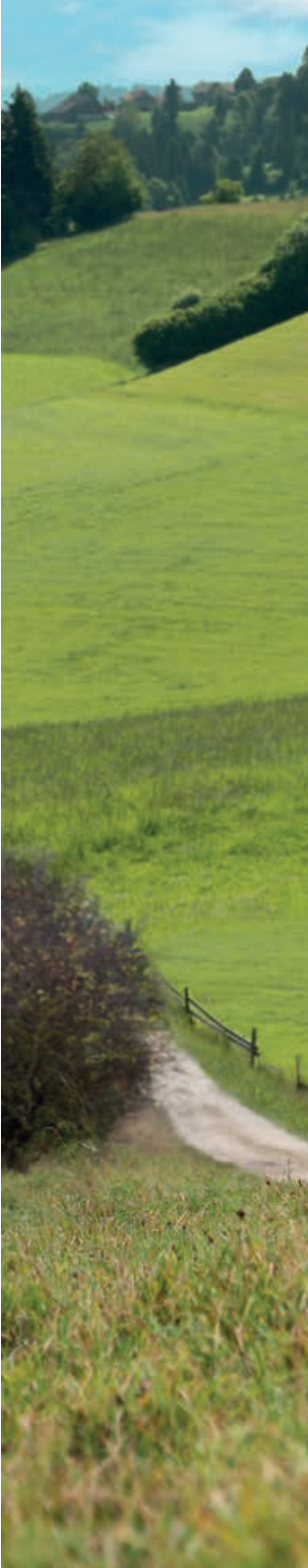
COMFORT AND SAFETY.



AXLES AND BRAKES.

Feel safe and comfortable in any terrain.

The new 5D TTV stands out for its agility and manoeuvrability. Equipped with robust front and rear axles and fitted with front axle brakes as standard, it allows you to drive and stop safely both on level roads and under hilly conditions. Optionally, the 5D TTV models can be equipped with an independent front axle suspension. Thanks to its damping management, self-levelling system and traction control, the suspended front axle improves stability, adherence, traction, comfort and safety in any terrain. In addition, electronic management of the front differential lock (DTC) ensures always high pulling capability. Together with the compactness of its design, the 5D TTV enables you to work with the highest level of comfort and productivity in the open field and in orchards and vineyards alike. High manoeuvrability is also ensured by the innovative SDD (Steering Double Displacement) system, for fast steering manoeuvres by halving the number of steering wheel turns needed for a complete turn. ASM engages and disengages 4WD and differential locks in the new 5D TTV, Stage 3A depending on ground speed and steering angle. The proven system has been appreciated by DEUTZ-FAHR drivers for many years. If active and working in straight direction, ASM engages both 4WD and the differential lock. When the driver moves the steering wheel in headland, the ASM disengages them in order to ensure safe and precise turning manoeuvres. All new 5D TTV Stage 3A models are fitted with the Hydraulic Parking Brake system (HPB). This combined mechanical-hydraulic system ensures constant pressure on the rear brake discs and thus, safety in all gradients. This innovative system additionally reduces transmission power losses by eliminating the conventional hand brake. It thus reduces power losses, making your work more effective, efficient and safe.



↑ ASM and front axle suspension activation.



↑ Two new dedicated buttons allowing manual adjustments of the position of the front suspension.



↑ Suspended front axle with front brakes.



↑ Safe parking even in hilly conditions thanks to powerful HPB parking brake.



DRIVING POSITION.

Work comfortably, work safe, work better.

Farmwork can be tough, but with the right workmate it becomes much easier. The new 5D TTV Stage 3A offers all the comfort and features you need for spending long working days pleasantly: a 4-pillar cab with a flat floor, air conditioning, Hydro Silent-Block suspension, MaxCom armrest, a wide driver seat with pneumatic suspension and a Bluetooth radio.

All the information you need is conveniently shown by the dashboard of the InfoCentre^{Pro}. The central console is linked to the steering wheel to be constantly visible, regardless of the position. All controls are conveniently located on the MaxCom armrest so central tractor functions can be activated and deactivated by just pressing a button or moving a joystick.

As standard equipment, the 5D TTV Stage 3A offers a unique roof with position-adjustable rear panel. With this system, the rear roof can be lifted to increase rear upward visibility. If this together with the big, adjustable rear mirrors is not enough, rear visibility can be further improved by rear cameras. For optimal vision in the dark, all new 5D TTV models are equipped with slimline LED position lights and LED front indicators as standard.

The cab can be equipped with Cat.4 filtration system. This system offers a high level of protection to the driver when spraying of pesticide. It makes spraying safe and comfortable, since the driver is no more obliged to fit protective overall and masks.



↑ Cat. 4 filtration available.



↑ Rear liftable roof panel for the highest rear upward visibility.



↑ MaxCom armrest with intuitive color-coding for easy handling.



↑ Analogue-digital dashboard with main tractor functions at a glance.

Highlights

- Air Conditioning and liftable rear top for high visibility
- Cab roof with Cat.4 filtration system
- MaxCom armrest for easy operations
- Multimedia audio
- InfoCentre^{pro} with 5" colors display
- Pneumatic suspended driver seat
- Top rounded wind screen for high forward visibility
- Slim LED position lights and LED front indicators lights
- 4 USB smartphone charger
- Smartphone holder



↑ Comfortip further increases the level of comfort. It allows recording of repetitive tasks and their recalling by pressing a single button.

MAKE IT YOURS.

The individual special options from DEUTZ-FAHR provide even more comfort and higher productivity.

To optimize your tractor for special tasks or to maximize its comfort, you can choose from a wide range of additional factory fitted DEUTZ-FAHR options: iMonitor and cameras, mirrors with electric adjustment and defrosting, front bracket for hydraulic pipe support and so much more.

Our original equipment ensures that everything is a perfect fit and quality and performance are optimally aligned. Please ask your DEUTZ-FAHR sales partner. They will be happy to advise you.

Highlights

- Standard or compact three-point hitch
- Front lift
- LED working lights
- Telescopic rear mirrors with heating and electric adjustment
- Bluetooth radio
- Rear cameras
- Cat.4 filtration system
- Municipal tyres
- Municipal Orange body



↑ Cameras.



↑ Left console with foldable flat plan.



↑ Mirrors with electric adjustment and defrosting.



↑ Standard three-point hitch for higher lifting capacity.



↑ Compact three-point hitch for narrow track.



SDF SMART FARMING SOLUTIONS.





The new tractors of the Series 5D TTV can be equipped with various products and services to simplify work and increase productivity.





AGRICULTURE 4.0: FULLY CONNECTED

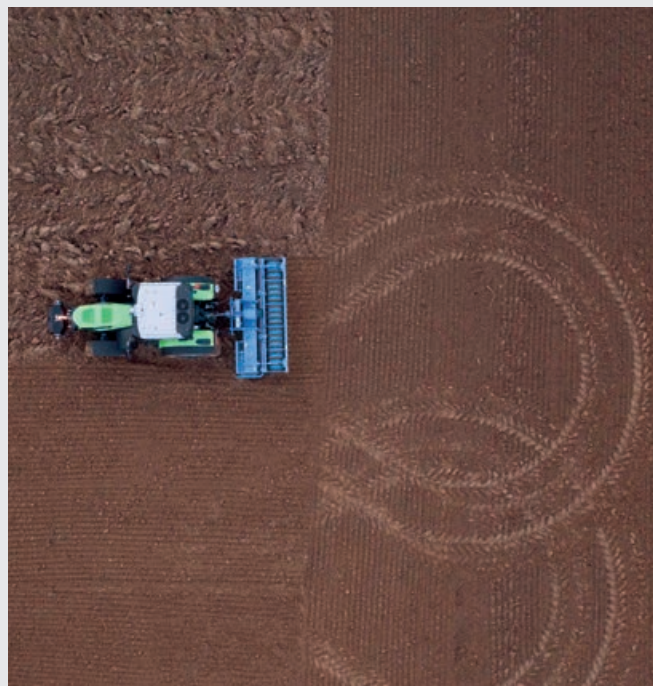
The tractors of the Series 5D TTV offer class-beating technology, letting you get on with your work with even more intelligent solutions.



Highlights

- iMonitor 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 the new SR20 GNSS receiver for superior precision
- Wide number of ISOBUS functions like automatic Section Control with up to 200 sections
- SDF Data Management for reliable data exchange with e.g. agrirouter
- SDF Fleet Management for total remote control of machine data

The tractors of the new Series 5D TTV offer class-beating technology, letting you get on with your work with even more intelligent solutions. Automated guidance systems maximize operator comfort. The Series 5D TTV tractors 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.



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



↑ SDF Fleet Management – have your fleet under control!

The new SDF Fleet Management application puts the user in total control of the new Series 5D TTV models.

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.



iMONITOR.

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

The iMonitor 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. An 8" monitor is available. 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 makes the operation extremely comfortable.

Intuitive and immediate usability are crucial given the large number of functions controllable from the terminal. 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. iMonitor 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.



↑ The iMonitor enables various functions.



↑ 3 jolly buttons and 1 programmable thumbwheel.

SDF Guidance

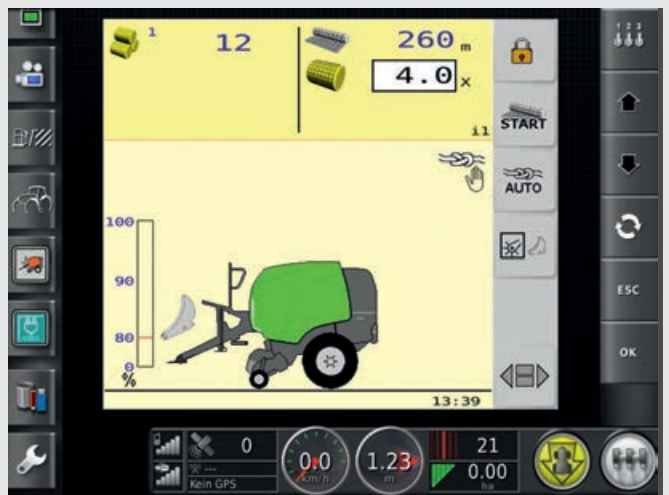
Modern auto-guidance systems not only improve productivity by reducing driver stress, they also offer significant time savings by ensuring greater precision during work in the field. The SDF Guidance application allows the operator to work in comfort and always at the highest precision.

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, GALILIEO, 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 iMonitor 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 automatic switching of up to 200 sections (TC-SC) and processing application maps (TC-GEO).



↑ Universal Terminal to control any ISOBUS implement.



↑ 5D TTV is AEF Certified for maximum compatibility.

TECHNICAL DATA		SERIES 5D TTV		
		5095 D TTV	5105 D TTV	5115 D TTV
ENGINE				
Model			FARMotion 45	
Emission level			Stage 3A	
Cylinders/Displacement	n°/cc		4 / 3.849	
Turbocharger with charge air cooling		●	●	●
e-VISCO cooling fan		●	●	●
Injection @ pressure	Type/ bar		Common Rail @ 2.000	
Max. power (ECE R120)	kW/Hp	70 / 95	78 / 106	85 / 116
Max. power with Boost (ECE R120)	kW/Hp	-	-	93 / 126
Power at rated speed (ECE R120)	kW/Hp	66,4 / 90	74 / 101	80,6 / 110
Speed at maximum power	rpm	2000	2000	2000
Max. engine speed (rated)	rpm	2200	2200	2200
Max. torque	Nm	389	433	472
Max. torque with Boost	Nm	-	-	444
Speed at maximum torque	rpm	1400	1400	1400
Air filter with dust ejector		●	●	●
Fuel tank capacity (STD/OPT)	l		95/115	
AdBlue capacity	l		13	
Oil change interval	Hours	600	600	600
TRANSMISSION				
Model			TTV transmission	
Transmission ratio			1,3832	
PowerShuttle with 5 different settings			●	
TTV				
Gearbox			TTV – Stepless transmission	
Cruise control	qty.		2 each direction	
Driving strategies			Auto / PTO / Manual	
Active Standstill (PowerZero)			●	
Top speed 40 km/h SuperECO	rpm		1730	
HYDRAULICS AND LINKAGE				
Pump flow (STD)	l/min		84	
Pump flow (OPT)	l/min		100 LS	
Separate steering pump			●	
Spool valves controls	Type		Electronic	
Hydraulic auxiliary control valves (STD)	n°		3	
Hydraulic auxiliary control valves (OPT)	n°		up to 5 rear / 1 for front lift	
Aux valves settable in time and flow - proportional engagement			●	
Power Beyond (standard couplers)			○	
Free pressureless return			●	
Mid-mounted hydraulic ways	n°		0/2/4	
Front hydraulic ways	n°		0/2	
Automatic lower link stabilisers (mechanical)			○	
Rear linkage lifting capacity (STD)	Kg		4310	
Rear linkage lifting capacity (OPT - Compact Three point hitch)	Kg		3660	
Rear linkage lift category	Cat.		II	
External operation on rear fenders			●	
Front linkage			○	
Front linkage lifting capacity	Kg		2100	
Hydraulic tie rod			○	
Hydraulic stabilisers			○	
Oil change interval	Hours		1200	
PTO				
Rear PTO 540/540ECO/1000			●	
Rear auto PTO			●	
Groundspeed PTO			○	
Front PTO 1000			○	
AXLES AND BRAKES				
Independent front suspended axle			○	
Electro-hydraulic differential lock 100%			●	
Auto 4WD system			○	
ASM system			○	
Steering Double Displacement SDD			○	
Performance steering ready with EasySteer function			○	
Steering angle	Degrees		55	
Hydraulic Parking Brake (HPB)			●	
Hydraulic trailer brake with DualMode function			○	
ABS socket			○	
ELECTRICAL SYSTEM				
Voltage	V		12	
Standard battery	V / Ah		12 / 100	
Alternator	V / A		14 / 170	
Starter motor	V / kW		12 / 3	
External socket			●	
Interface for attachments 11786 (7-pole)			○	
External mid-mounted electric sockets			○	

TECHNICAL DATA	SERIES 5D TTV		
	5095 D TTV	5105 D TTV	5115 D TTV
CAB			
4-pillar cab		●	
Suspended on Hydro Silent-Block		●	
Adjustable and telescopic rear view mirrors		●	
Heated and electronic adjustable rear view mirrors		●	
Air conditioning		●	
Liftable rear top roof		●	
FOPS roof		●	
MaxCom armrest		●	
iMonitor with 8"		○	
AutoTurn		○	
XTEND		○	
ISOBUS (with rear and in-cab connectors)		○	
VRC (Variable Rate Control)		○	
SC (Section Control) 200 sections		○	
SR20 RTK receiver		○	
CTM connectivity module		○	
Comfortip Professional		○	
Seat with pneumatic suspension		○	
Pre-arrangement for radio with antenna and loud speakers		●	
Radio with Bluetooth		○	
4x Halogen work lights on cab roof		●	
Up to 8x LED work lights		○	
Beacon light LED		○	

● = standard ○ = option – = not available




TECHNICAL DATA	SERIES 5D TTV		
	5095 D TTV	5105 D TTV	5115 D TTV
DIMENSIONS AND WEIGHTS			
Front tyres (min.)		280/85 R24	
Rear tyres (min.)		320/85 R36	
Front tyres (max.)		380/70 R20	
Rear tyres (max.)		540/65 R30	
Wheelbase (A)	mm	2271	
Length (B)	mm	4065	
Height (max.) (C)	mm	2576	
Width (min.-max.) (D)	mm	1745-2180	
Ground clearance	mm	406	
Front axle width (flange to flange)	mm	1500	
Rear axle width (flange to flange)	mm	1540	
Unladen weight, front	kg	1700	
Unladen weight, rear	kg	2510	
Total unladen weight	kg	4210	
Maximum permissible axle load, front	kg	2300	
Maximum permissible axle load, rear	kg	4200	
Maximum permissible weight	kg	5800	

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

**POWER
FARMING**

   Deutz Fahr NZ

To discover more please contact your dealer
or visit deutztractors.co.nz

DEUTZ-FAHR is a brand of  **SDF**

