

5G TB SERIES.



5105G TB – 5115G TB





TOMORROW'S TRACTORS CANNOT BE BUILT WITH YESTERDAY'S TECHNOLOGY.

Mid-range tractors from Europe's
modern tractor factory in Treviglio.

Farmers and contractors invest in innovative technology, top quality, ergonomic operation and maximum productivity. The DEUTZ-FAHR tractor range from 39 to 340 HP offers the right model for any operation and application: useful equipment packages and a comprehensive selection of practical variants turn any tractor into an individual high performance work tool.

In combination with the most advanced precision farming systems, DEUTZ-FAHR offers customised technological solutions for maxi-

mum efficiency on the field and on the road. DEUTZ-FAHR is therefore the best partner when it comes to maximising the economic efficiency of your operation.

The company's headquarter is located in Treviglio (Northern Italy) where all series up to 140 hp are produced.



↑ We set new standards for production efficiency and quality.



↑ Treviglio, Italy: Home of the small and middle range tractors.



↑ Treviglio, Italy: Hall of production.

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



THE 5G TB SERIES.

Engine.

Under the bonnet, the extremely compact FARMotion engines do their job (emissions stage III B). They were developed especially for agricultural use. They deliver maximum power and a constant torque even at low rpm levels. Fuel consumption, emissions, vibrations and noise levels are extremely low. > PAGE 08

Transmission.

The transmission technology of the 5G TB Series ensures that drivers always have precisely the power available they need for the task at hand. On the field and on the road. Two transmission variants can be selected. The Stop&Go system and the powershuttle system greatly facilitate manoeuvring, especially in tight spaces. > PAGE 10

Brakes.

The 5G TB Series moves reliably in all conditions, on any terrain and on the road. The braking system is unique. All 5G TB Series models are equipped with a 4-wheel braking system. A separate brake valve distributes the braking power to the individual wheels – for maximum braking performance in all circumstances. > PAGE 12



Increases your efficiency.

Whether for specialty crops or at work on the farm, in the stable or in gardening and landscaping – the new 5G TB Series is designed not only for secondary income. The standard equipment is unique. Highly efficient FARMotion engines (emission level III B) with 102 h.p. or 113 h.p., four transmission options from 10/10 speeds to 40/40 speeds with mechanical or electro-hydraulic reverse shuttle (Powershuttle), Stop&Go system for stopping and starting using only the brake pedal, SDD rapid steering for the full steering angle at only half the steering wheel rotations, four-wheel brake, mechanical rear power lift with

up to 4,525 kg lifting force, front power lift with 2,100 kg lifting force (optional), 55 l/min hydraulic pump for up to three control units – work faster, more accurately and more reliably than ever before with the large 5G TB specialist tractors. The vibration-free mounted driver platform with a new digital dashboard meets the highest standards in comfort. Save manpower with the new 5G TB Series models. You massively increase your operation's productivity and thus its profitability. Choose excellent future prospects. Choose the new 5G TB Series.



Driver platform.

The 5G TB Series ensures maximum convenience and intuitive operation. The driver platform rests on Silent blocks and absorbs all vibrations. The driver seat and the steering wheel are adjustable. Every driver can find the optimum working position, allowing them to fully focus on the work processes and completing their tasks quickly and precisely. > PAGE 06

Hydraulic system.

The mechanical high-precision rear linkage is controlled with smooth-action levers and manages 3,600 kg in the standard version with internal lifting cylinder. No matter what moves you or what you want to move, the versatile 5G TB Series always puts you on the right path. > PAGE 14

Series 5G TB		5105	5115
MOTOR			
Abgasstufe		IIIB	
Typ		FARMotion	
Zylinder / Hubraum	Anz. / cm ³	4 / 3.849	
Max. Leistung bei 2.000 U / min.	kW / PS	75 / 102	83 / 113
Nennleistung bei 2.200 U / min.	kW / PS	71,5 / 97	79 / 107

More technical data can be found on PAGES 18/19.



FOCUSED ON THE DRIVER.

Improved comfort makes work easier.



↑ The new InfoCentre and all driving functions are clearly organised on the steering column.



↑ To the right of the driver: gear lever, rear power lift and hydraulic control units ergonomically organised.



↑ To the left of the driver: parking brake and PTO controls.

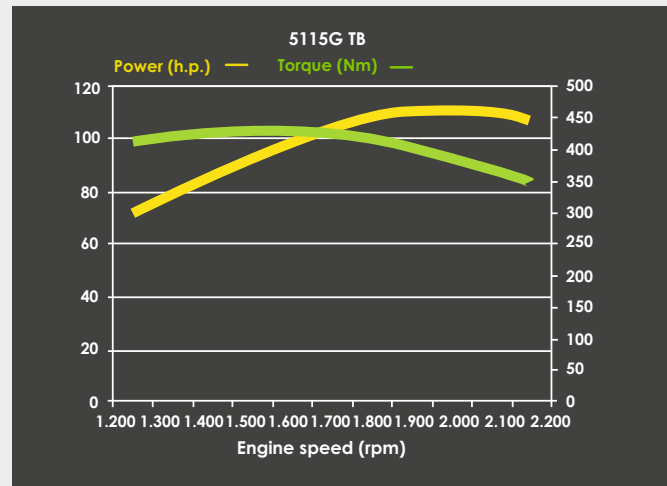
The driver can only work efficiently if every movement is ergonomic. As such, the new 5G TB Series guarantees maximum comfort and intuitive operation. The driver platform, mounted on silent blocks, absorbs all vibrations. The driver's seat and steering wheel are adjustable. Every driver can therefore find the optimal working position. Operation has been restructured to meet the latest ergonomic criteria. All control elements for driving, gear changing, and hydraulics and PTO operation

are easy to reach, logically ordered according to operating frequency and clearly colour-coded. The new InfoCentre in the steering column provides the driver with all relevant data on the tractor's driving and operating status. It is clearly structured, both digitally and analogue. The driver can therefore concentrate entirely on the workflow and do the job quickly and accurately.



EXTREMELY COMPACT.

Efficient like no other.



↑ FARMotion engines: constant power and constant torque at low engine speeds.



↑ Common Rail system at 2,000 bar.



↑ The new cooling system supports engine efficiency and is easy to clean.

Hard at work under the newly designed bonnet are the extremely compact FARMotion 4-cylinder engines (emission stage III B). Specially developed for agricultural applications, these common rail engines feature electronic injection, optimised capacity, an exhaust gas recirculation (EGR) system and a diesel oxidation catalyst (DOC) system, supplying maximum power and constant torque even in a low engine speed range. Fuel consumption, emissions, vibrations and noise level are also extremely low. Other new features include the

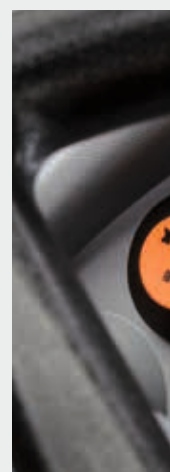
compact cooling system with large cooling surface, intercooling, fuel cooling and optimised airflow using a Visco fan (optional). The dirt filter is divided into two for better dust reduction and servicing. The cooling system supports engine efficiency and is designed for long servicing intervals, as well as fast and straightforward servicing. You could not accelerate your productivity more powerfully and efficiently.



⬆ The mechanical powershift transmission with mechanical reverse shuttle is one of two transmission options.



⬆ Electro-hydraulic Powershuttle system: change direction of travel without operating the clutch.



⬆ Stop&Go



EASY-CHANGE TRANSMISSION.

Because gear-changing is precision work.

Power is good. Precisely controlled power is better. The new 5G TB Series transmission technology ensures that the driver always has exactly the power available that is needed for the job at hand. Both on and off the road. Two transmission options are available. A simple mechanical 10/10 or 20/20 speed gearbox with mechanical reverse shuttle (load stages optional) or an electro-hydraulic 20/20 or 40/40 gear Powershuttle gearbox. A top speed of 40 km/h can be achieved at a reduced engine speed in the ECO mode for all transmission options. Using the Powershuttle system, the driver can change the direction of travel while driving without operating the clutch and without torque interruption. Simply by using a lever on the steering wheel. The Stop&Go system allows for stopping and starting without operating the clutch, only by pressing the brake pedal. Both systems considerably simplify manoeuvring – especially in close quarters.



system: stop and start using only the brake pedal.

MANOEUVRING IN TIGHT SPACES.

Safety in every situation.

Stability, manoeuvrability and safety: the new 5G TB Series moves safely under all conditions, on any terrain and on the road. On difficult terrain, the four-wheel drive and 100% differential lock are easy to activate electro-hydraulically. Two steering cylinders ensure extremely easy handling. The 50-degree steering angle allows easy and precise manoeuvring even in the smallest of spaces. The braking system is unique. All models are equipped with a four-wheel braking system.

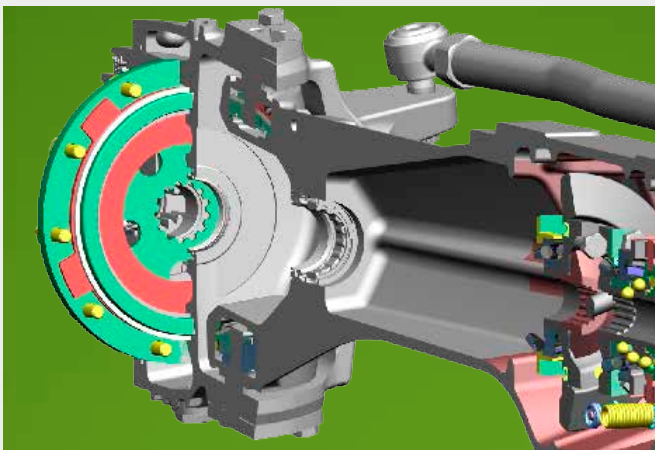
The front axle features separate high-performance disc brakes in an oil bath. The innovative SSD rapid steering system is a new feature. It halves the driver's steering wheel turns at the touch of a button, thus considerably simplifying tractor manoeuvring. The steering pump, available separately, also ensures smooth turning manoeuvres on headlands and under load.



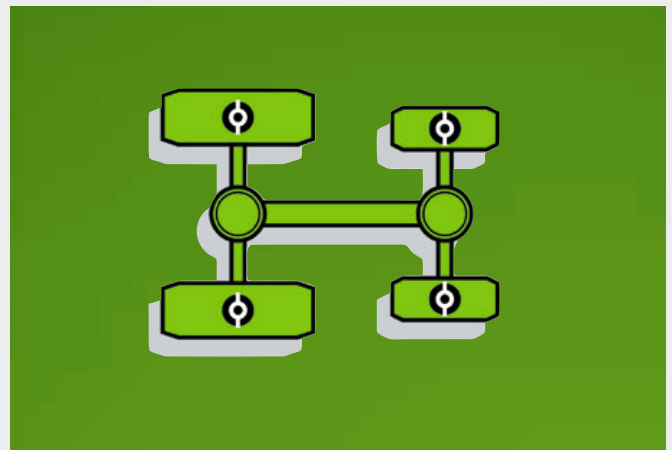
Front axle: 50-degree steering angle, electro-hydraulic all-wheel drive and differential lock activation.



The innovative SSD rapid steering system halves the number of steering wheel turns to the full steering angle.



Maximum safety is provided by the wet disc brakes on the front axle.



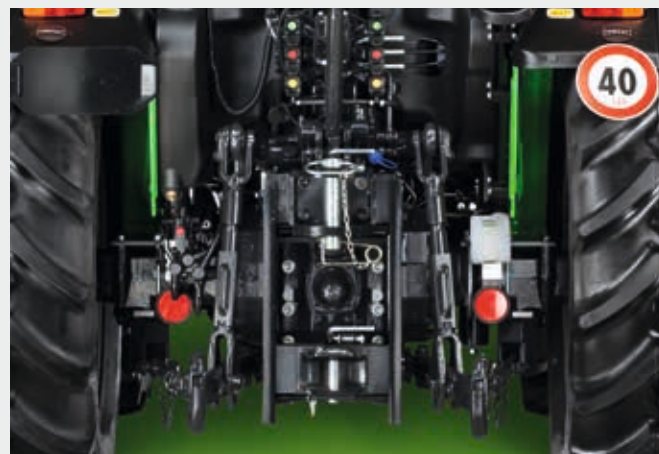
All 5G TB models are provided with four-wheel brakes as standard.





AN ALL-ROUNDER.

The 5G TB grows with your demands.



↑ The rear power lift: up to 4,525 kg lifting capacity, extremely precise control. Four rear PTO speeds as standard.



↑ The 55 l/min hydraulic pump supplies up to three rear control units.



↑ A 2,100 kg capacity front power lift with a front power take-off @ 1,000 rpm is optional.

To be more efficient, you need to do more. The versatility of the 5G TB Series is your strength. In the standard version with internal lifting ram, the high-precision mechanical rear power lift, controlled by levers, can move 3,600 kg. The lifting capacity can be optionally increased to 4,525 kg by two additional rams. It can also be operated from the rear wing. A 2,100 kg capacity front power lift with a front power take-off @ 1,000 rpm is optional. The open centre hydraulic pump delivers an

impressive 55 l/min. It supplies up to three double-acting rear control units. The PTO options are versatile. With 540, 540 ECO, 1,000 and 1,000 ECO, the ground speed PTO with separate stub and the optionally removable PTO stub, the 5G TB Series models are true all-rounders. Regardless of what moves you or what you want to move, you are right on track with the versatile 5G TB Series.





When working in the yard, the stables, landscaping or gardening – the new 5G TB Series is designed not only for secondary income tasks, but also for excellent future prospects.

Series 5G TB		5105		5115	
ENGINE					
Emission		III B / Tier 4i			
Manufacturer		FARMotion			
Cylinder / swept volume	No. / cm³	4 / 3,849			
Induction		Turbocharger with intercooling			
High-pressure injection		Common rail @ 2,000 bar			
Bore / stroke	mm	103 / 115,5			
Max. power @ 2,000 rpm	kW / HP	75 / 102		83 / 113	
Rated power @ 2,200 rpm	kW / HP	71.5 / 97		79 / 107	
Max. torque	Nm	408		435	
Torque increase	%	32		28	
Fuel tank capacity	l	85			
REVERSING GEARBOX					
Mechanical reversing gearbox (LS)		●			
Hydraulic reversing gearbox Powershuttle (GS)		○			
Stop&Go function (GS)		○			
MECHANICAL GEARBOX					
5-speed gearbox		●			
Gears	No.	10 + 10			
Gears with crawling gears	No.	20 + 20			
MECHANICAL GEARBOX WITH HI-LO FUNCTION (OPTIONAL)					
5-speed gearbox		●			
Gears	No.	20 + 20			
Gears with crawling gears	No.	40 + 40			
PTO					
Electro-hydraulic activation		●			
540/540 ECO PTO		●			
540/540 ECO/1,000/1,000 ECO PTO		○			
Ground-speed PTO		○			
Front PTO 1000		○			
ACHSEN UND BREMSEN					
Vierradbremssystem		●			
Unabhängige Feststellbremse		●			
Hydraulische Anhängerbremse		○			
Hydrostatische Lenkung mit unabhängiger Pumpe		●			
POWER LIFT					
Mechanically controlled rear power lift		●			
Rear power lift capacity (standard)	kg	3,600			
Front power lift capacity (optional)	kg	2,100			
Rear power lift capacity (optional)	kg	4,525			
HYDRAULIC SYSTEM					
Pump delivery rate	l / min.	55			
Hydraulic system with open centre system		●			
Auxiliary control units	No.	2 / 3			
PLATFORM					
Lateral gear shift lever		●			
Roll bar with two posts, foldable		●			
Digital instruments		●			
Mechanically adjustable driver's seat		●			

● = standard ○ = option – = not available

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.

* Standard or option, depending on variant.

Series 5G TB		5105	5115
DIMENSIONS AND WEIGHTS			
With rear tyres		420 / 70 R24	480 / 65 R28
Max. length w/o lower linkage	mm	4,125	
Width (min. / max.)	mm	1,939 / 2,339	2,101 / 2,405
Ground clearance	mm	290	340
Wheelbase	mm	2,400	
Front track width (min. / max.)	mm	1,374 / 1,862	1,588 / 1,882
Rear track width (min. / max.)	mm	1,500 / 1,900	1,598 / 1,902
Height at rear wing	mm	1,314	1,414
Max. weight with roll bar	kg	3,200	3,400
Maximum permitted gross weight	kg	6,200	




Your DEUTZ-FAHR sales partner



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For more information, please contact your DEUTZ-FAHR sales partner or visit deutz-fahr.com.

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

