

SERIES 9.



9290 – 9310 – 9340 TTV Agrottron





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

High performance tractors from Europe's most modern tractor factory.

Farmers and contractors invest in innovative technology, top quality, ergonomic operation and maximum productivity. The DEUTZ-FAHR tractor range from 39 to 335 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.

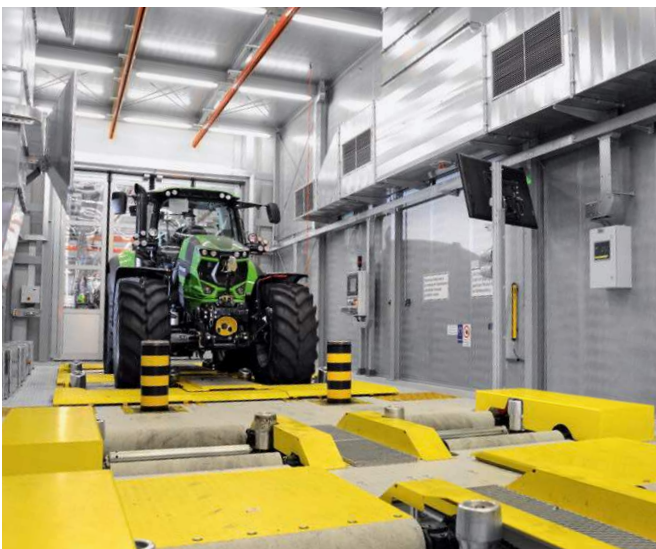
In combination with the most advanced precision farming systems, DEUTZ-FAHR offers customised technological solutions for maximum efficiency in the field and on the road. DEUTZ-FAHR is therefore

the best partner when it comes to maximising the economic efficiency of your operation.

Europe's most modern tractor factory opened in Lauingen on the Danube in 2017 under the name DEUTZ-FAHR Land. This is where the high performance tractors from 138 to 335 HP are manufactured for the global market.



↑ We set new standards for production efficiency and quality.



↑ Unique in tractor manufacturing: chassis dynamometer and axle suspension test bed.



↑ High tech made in Germany.

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 9 SERIES.

Clever design.

The design of the Series 9, which was developed in collaboration with Italdesign Giugiaro, is breathtaking. But it has only one purpose: to make daily tasks on field and farm easier.

TCD engine.

Maximum performance with minimum fuel consumption: the water cooled Deutz TTCD-7, 8-litre 6-cylinder engines (295 – 336 HP) with two-stage turbocharger, charge air cooling, SCR, DPF and DCR technologies. > PAGE 18

Compact cooling system.

The compact cooling system supports engine efficiency. In addition, the electrically opening bonnet significantly reduces maintenance on the powerful cooling system. > PAGE 12

Front axle and brake system.

The suspended front axle ensures unparalleled driving comfort and first rate agility. As a standard, all tractors from the Series 9 are equipped with the DEUTZ-FAHR PowerBrake system – for more braking power with less pedal pressure. > PAGE 26



Minimizes the work effort, maximises the result.

In the year 2050, nine billion people will live on earth, who will need food and energy. This presents a great challenge for agriculture, as the area of arable land will not increase, while the demand for agricultural products will probably double. These conditions require a new generation of machinery, which are even more efficient for all field work, from tilling to sowing. With the Series 9, the DEUTZ-FAHR engineers have developed a modern, highly intelligent large tractor which facilitates and accelerates all tasks thanks to its unique operating convenience, automated routine functions and progressive technologies – and all that with the lowest conceivable use of resources. 47,000 lm LED work lights MaxiVision 2 cab with 12" or 8" iMonitor3 and the most innovative precision farming equipment, highly efficient engines from 295 to 336 HP, continuously variable

TTV transmission for precision speeds from 0.2 to 60 km/h at reduced engine speed, newly developed front axle suspension and dry disc brakes for maximum safety. 12,000 kg lifting capacity at the rear and electrically opening bonnet for fast access to all maintenance points, breathtaking design which was developed in collaboration with Italdesign Giugiaro. Each individual component is highly innovative and the Series 9 therefore is among the best available on the market. With the Series 9, DEUTZ-FAHR offers three perfectly coordinated, attractive large tractor models with which farmers and contractors can achieve the best results.



Driving comfort.

The MaxiVision 2 cab offers optimum operating convenience and excellent ergonomics. It has a pneumatic suspension and is separated from the bonnet to keep engine noise, vibrations and heat away. > PAGE 8

MaxCom control armrest.

The integrated, highly ergonomic MaxCom joystick allows intuitive control of e.g. driving speed, driving direction, Comfortip system, front and rear linkage – from manual to fully automatic. > PAGE 10

Precision farming.

Perfect, easy control and monitoring of all processes with the 12" or 8" iMonitor3 – from tractor functions and ISOBUS applications to automatic control systems and data management. Working with up to 2 cm precision thanks to Agrosky receiver. > PAGE 14

Powerful hydraulics.

12,000 kg lifting capacity at the rear, 6,000 kg lifting capacity at the front. 210 l/min pump capacity, up to 8 control valves plus front linkage: 6 in the rear and 2 at the front attachment point. All control valves can be proportionally controlled. > PAGE 27

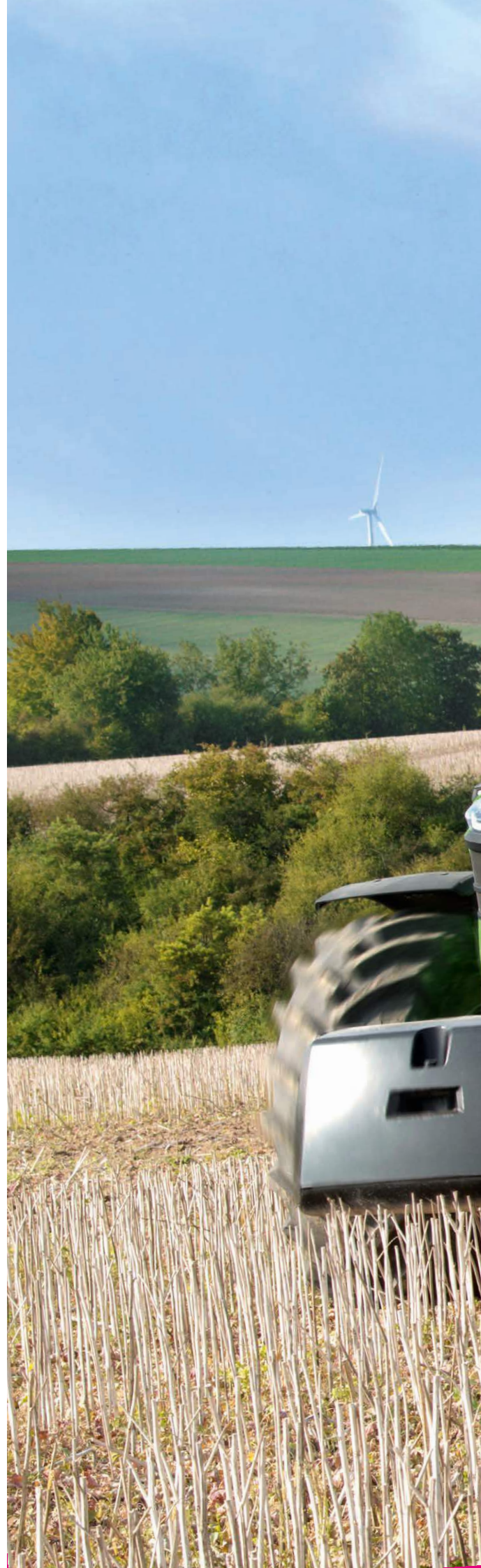
TTV transmission.

Latest technology, maximum precision and high efficiency: The electronically controlled, continuously variable TTV transmission delivers exactly the right speed for any task: quick reactions, soft acceleration, high dynamics and economical driving. > PAGE 22

| Series 9 Agrotion TTV | 9290 | 9310 | 9340 |
|-------------------------|-----------|-----------|-----------|
| Emissions stage | | Stage V | |
| Cylinders/capacity | | 6 / 7,775 | |
| Maximum power (kW / HP) | 217 / 295 | 229 / 312 | 247 / 336 |

More technical data can be found on PAGES 38 / 39.

Reduce fuel consumption,
emissions and noise while
further increasing performance.
The Series 9 meets the highest
economic and ecological
requirements.







Highlights

- Maximum configuration options
- The separation between cab and bonnet ensures less noise, fewer vibrations and less heat radiation
- Best visibility thanks to the large cab windows, optimised bonnet dimensions and compact exhaust gas treatment unit
- LED package with up to 47,000 lm

PERFECT VIEW.

Get in and enjoy your work.

It becomes evident at first glance that working here is a pleasant experience. The MaxiVision 2 cab offers plenty of space for the driver. High quality materials create a bright and comfortable work atmosphere. The new panorama windscreen and the large side and rear windows offer the driver the best all-round view. A glass roof is optionally available. Thanks to the newly designed bonnet, the front attachment area is also clearly visible. The cab has a pneumatic suspension and is

separated from the bonnet, keeping engine heat, vibrations and noise away from the cab.

The maximum noise level is 69 dB. Get in and stay relaxed until you get out again, even if a long workday has gone by.



Driving lights, work lights and cab lights all on one control panel. Select the work climate and the automatic function control the air flow.



The new InfoCenter keeps the driver up to date: analogue and digital information about the operating status. Safety thanks to the code lock for the tractor. Lock and unlock with a PIN.



Adjustable partial leather driver's seat with individual suspension options. Padded passenger seat. Passengers have a comfortable journey as well.



Now available for all TTV models: Seat with up to 20° rotation for added comfort and ease of operation.



INTUITIVE CONTROL.

Work faster, with more precision and – most importantly – with more focus.



↑ The cross-control lever with rocker switch controls three hydraulic control valves.



↑ PTO adjustment and activation are conveniently integrated into the armrest ...



↑ ... as are the front and rear linkage controls.

When it comes to operating convenience, the Series 9 is a high tech tractor. The most important routine functions can be automated. The driver simply preselects the desired basic setting, activates it at the press of a finger and the tractor does the rest. This allows the driver to focus on monitoring the work in progress. The newly designed, illuminated InfoCenter provides the driver with all information about the operating status of the tractor at all times – analogue and digital. The new, ergonomic MaxCom joystick on the armrest is used to control driving speed, direction of travel, Comfortip and the linkages and to recall two cruise control speeds, without having to change hand po-

sition. The control elements for hydraulic control valves, engine control, transmission control, PTO activation and drivetrain management are also integrated into the armrest.

All controls are clearly marked with colours and are logically arranged according to their frequency of use. Drivers can learn their way around the Series 9 in no time at all, for faster and, especially, more focused working.

Reduce fuel consumption,
emissions and noise
while further increasing
performance. The Series 9
meets the highest economic
and ecological requirements.







Highlights

- Faster response, higher torque reserve and higher start-up torque
- Up to 5% less fuel and AdBlue consumption
- Electronic viscous fan for even more efficiency and quieter running

WHEN POWER IS FUN.

Power up, fuel consumption down.

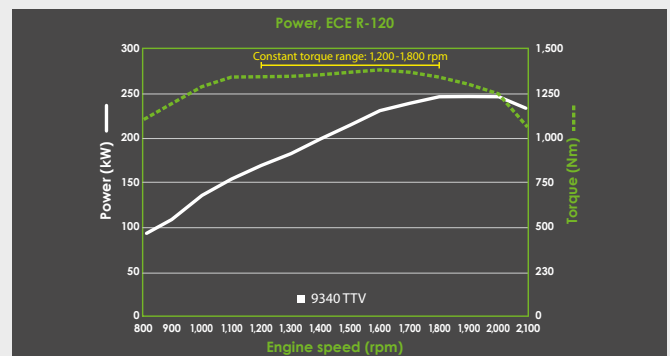
Only the best is good enough when it comes to engines for the Series 9. Maximum performance with minimum fuel consumption is the crucial factor. And for that there is no alternative to the water cooled Deutz TTCD 7.8-litre 6-cylinder (295 – 336 HP) with two-stage turbo-charger, charge air cooling, SCR, DPF and DCR technologies.

With an injection pressure of 2,000 bar, the engines react quick as lightning and deliver 90 % of the torque at as little as 1,000 rpm. The maximum torque remains constant from 1,200 to 1,800 rpm. The downspeed concept makes the new engine generation unique. In addition to this, the engines feature an excellent cold starting behaviour

– even in extreme conditions. The innovative SCR and DPF technologies allow the Deutz TTCD 7.8 litre engines to meet the international emissions standards stage V without compromising on performance. The overall concept is fine tuned for maximum efficiency.



↑ Lower fuel/AdBlue consumption: 600 l diesel and 50 l AdBlue allow long work phases.



↑ Greater torque reserve and more torque at lower engine speeds.



↑ Deutz TTCD 7.8 6-cylinder engine.

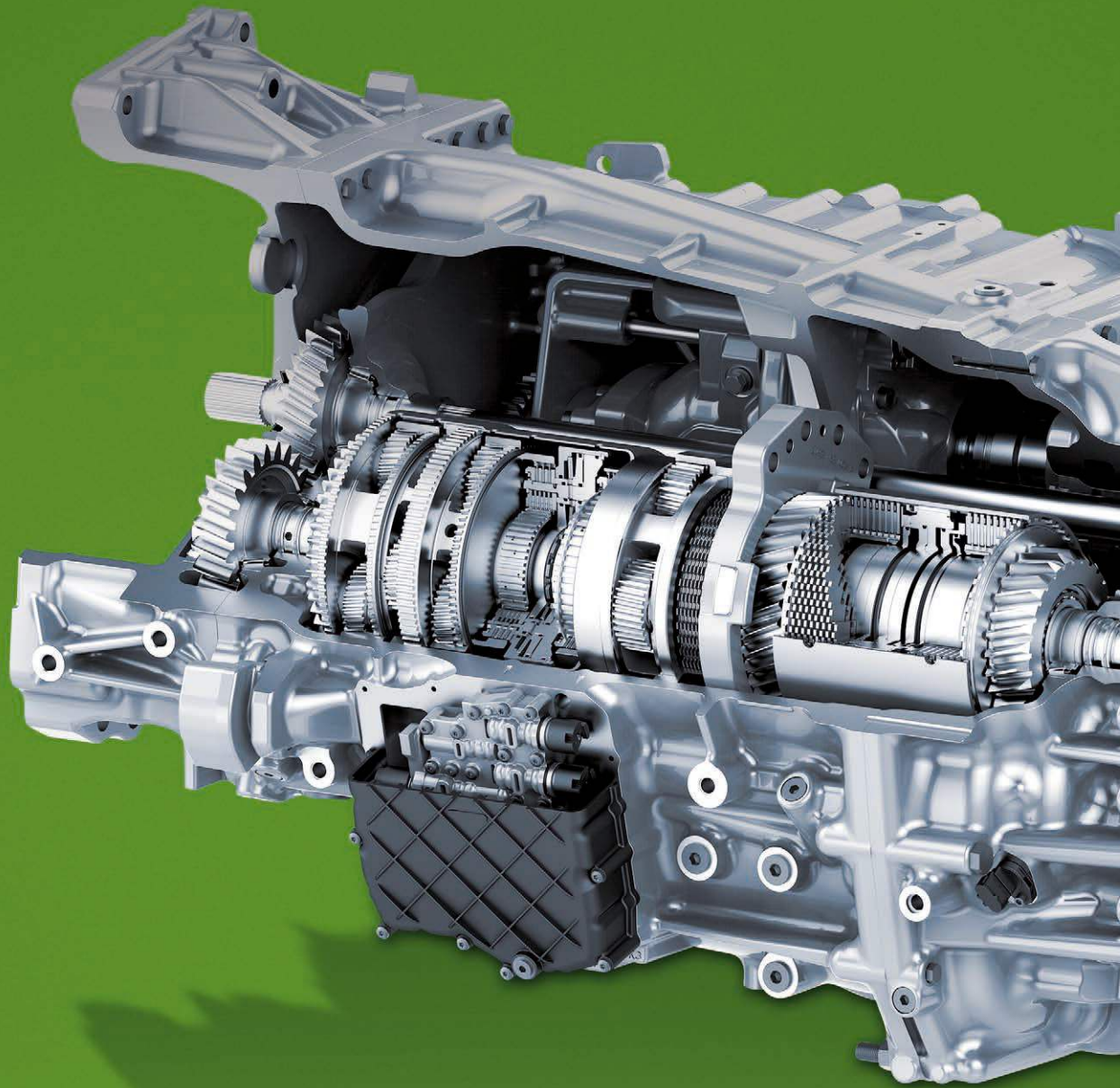


↑ DCR technology: 2,000 bar injection pressure ensures maximum engine efficiency.





Accurate speeds are crucial, in particular for high precision field work. This is where the Series 9 shows its adaptability.



CONTINUOUSLY EFFICIENT.

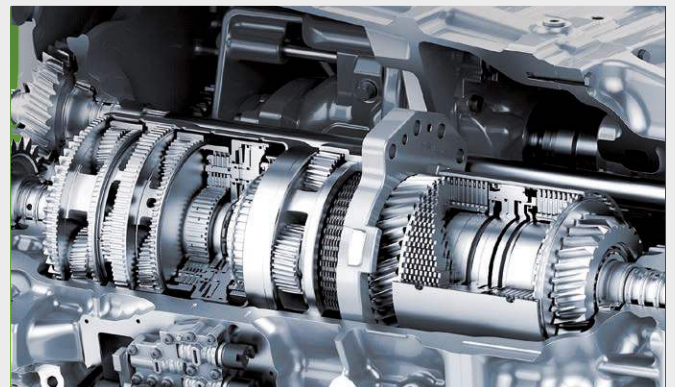
Maximum efficiency from 0.2 to 60 km/h.



↑ Standard: Powershuttle system. The sensitivity (hard – medium – soft) can be easily adjusted with a thumb control.



↑ Three driving/work strategies can be selected: manual, automatic and PTO. These are displayed on the WorkMonitor.



↑ Electronically controlled, continuously variable transmission.

Efficiency is generated by precision. And precision comes from the exact working speed. The electronically controlled, continuously variable TTV transmission delivers exactly the right speed for any task. It combines the efficiency of mechanical components with the convenience of a hydrostatic transmission. It covers a range from 0.2 to 60 km/h and offers the best efficiency, especially for field work between 7 and 15 km/h. 80 % of the mechanical components are active here, with 90 % on average for transport tasks. This creates a fast re-

action over the entire speed range, soft acceleration in all conditions, high dynamics and economical driving. With high traction power, the TTV transmission can master even the most difficult situations.

Working at 60 km/h and with a 40 t load – no other large tractor allows drivers to master critical situations with more ease than the Series 9.







BETTER SAFE THAN SORRY.

Comfortable and safe, whenever work gets fast and heavy.





↑ Front axle: Maximum suspension effect and a steering angle of up to 50° ensure maximum agility.



↑ EPB: automatically safe – wherever you park the Series 9.



↑ Dry disc brakes on the front axles for extra safe brake action (optional).

The Series 9 shows its superiority especially in critical situations. The entire suspension is a new development and is designed for maximum load capacity, the toughest conditions and maximum agility.

Superior driving comfort and first rate agility are ensured by the suspended front axle. The innovative frame allows the axle to move completely freely within a spring travel of +/-45 mm. This maximises the suspension effect significantly. The steering angle is up to 50°. Superior safety: All Series 9 tractors are equipped with the DEUTZ-FAHR

PowerBrake system as a standard – for more braking power with less pedal pressure. Large external dry front axle brakes are a must on 50-km/h tractors. The electric parking brake (EPB) is also a standard feature. It is deactivated automatically when the driving direction has been selected and activated automatically shortly after the driver has exited the vehicle. As an alternative, the driver can also activate the brake manually.



POWERHOUSE.

12,000 kg lifting capacity, 210 l/min pump capacity and three PTO speeds.



↑ Integrated front linkage with uniquely short distance to the front axle. Low overhang. Best tractor balance.



↑ External control of the hydraulics and PTO functions from either side.

The attachment points of the Series 9 are as varied as the requirements and work profiles of contractors and farmers worldwide. With a lifting capacity of 12,000 kg at the rear and 6,000 kg at the front, all conceivable device combinations can be operated. The high performance hydraulics with a pump capacity of 210 l/min supplies up to eight control valves plus front linkage. Six in the rear and two at the front attachment point. Unique: All control valves can be proportionally controlled. The control valves are controlled with high precision using joystick, "piano" keys or rocker switches. The flow rate (1 to 100 %) and the activation time (1 to 60 s) can simply be programmed from the driver's seat, individually for each control valve. The load

sensing system is part of the standard features. A separate pump supplies the steering so that the work hydraulic is not affected. With three rear PTO speeds (540ECO/1000/1000ECO) and 1000 or 1000ECO at the front, any task can be completed efficiently. The downspeed motor characteristics expand the use of the ECO PTOs and significantly reduce fuel consumption. All hydraulic and PTO functions can be conveniently set and controlled on the multi-function armrest.





Lorries quickly reach the end of their capacity on difficult terrain and at construction sites. The Series 9 gets through where traction and power are required.



9340 TTV

DEUTZ-FAHR

CONVENIENT MAINTENANCE.

The automatic bonnet.
Maintenance made easy.

DEUTZ-FAHR tractors are traditionally machines which are easy to maintain. Long service intervals, short idle times and easy access to all maintenance points increase the overall economic efficiency of every single tractor. Naturally, the Series 9 follows this tradition in every detail.

But DEUTZ-FAHR would not be DEUTZ-FAHR if the development engineers rested on their laurels. With the Series 9, the tractor special-

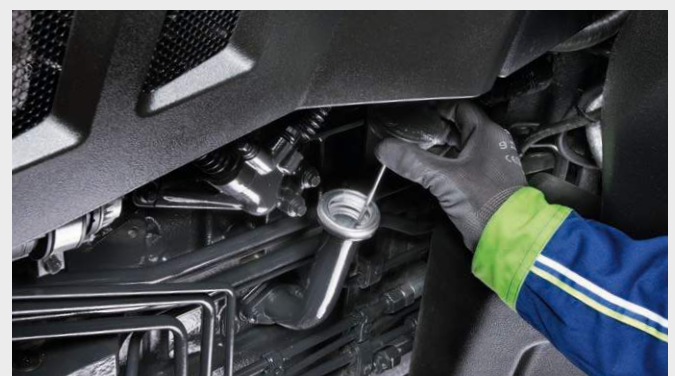
ists present the automatic bonnet. It opens and closes at the simple press of a button from the cab steps. A unique innovation which further reduces the maintenance effort. No tractor is ready for operation again as quickly as the Series 9.



↑ The engine air filter is easy to insert and remove.



↑ The engine radiator can be opened and cleaned easily.



↑ Checking and topping up oil is very easy to do.





Save resources, protect the environment, increase work accuracy through automation. Precision farming has long become a standard. And the Series 9 is a step ahead.



Highlights

- Higher productivity
- Easy to use
- Secure data
- Added convenience
- Unprecedented precision
- Optimum connectivity
- Highest level of compatibility
- Maximum return
- Better planning of your tasks

CONNECTED FARMING SYSTEMS.

Precision is the basic prerequisite for productivity.

Connected Farming Systems combines a large number of digital solutions for efficient and comfortable operation of tractors and combine harvesters. This includes reliable, automatic high precision track guidance systems, ISOBUS applications, data management and fleet management. The iMonitor3 is at the core of the operation of most applications – it is the central, user friendly control element.

SDF Guidance

Modern steering systems save resources, increase convenience and productivity and ensure reliable precision. You can rely on high reliability even in difficult working conditions such as fog or night time. Satellite navigation provides the basis for this. You can choose the system that best suits your operation.



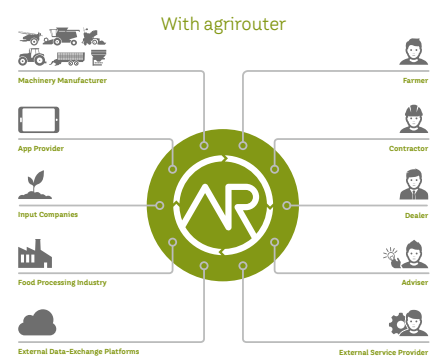
SDF Fleet Management

Optimise operations. Increase efficiency. The connectivity solutions from SDF keep you connected at all times. It allows convenient managing of relevant data. The BTM (Basic Telematic Module) is the entry level for transmission of tractor data. Telemetry data are sent to e.g. a smartphone via a Bluetooth connection. All relevant data can be called up with an app. In the Pro version, the CTM (Communication Telematic Module) transfers the data directly to the office over the Internet using an integrated e-SIM card.



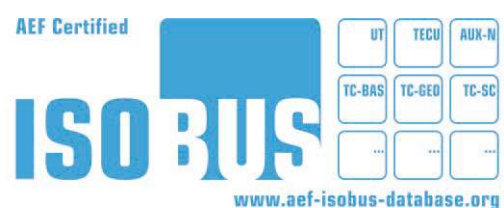
SDF Data Management

Efficient data management is becoming increasingly important for optimising work processes. SDF uses standard file formats for reliable data exchange so customers can keep an overview at all times and data are transferred in a coordinated manner. With the agrirouter, we offer a universal data exchange platform that allows farmers and contractors to exchange data between machinery and agricultural software applications from a wide range of manufacturers. The agrirouter simplifies data exchange and therefore work processes, reduces office work and improves economic efficiency.



ISOBUS

Electronics make agricultural machinery safer, more powerful, more precise and more efficient. The driver can use ISOBUS applications to individually control all implements with one single monitor – the iMonitor3 is also the central control element for all ISOBUS applications. The iMonitor3 easily manages tasks such as assigning AUX-N functions, processing application maps or automatic switching of up to 200 sections. A great number of functions are even available without activation.



INDIVIDUALLY EQUIPPED.

The perfect extras for any task.

To optimise your tractor for special tasks or to maximise comfort, you can choose from a wide range of additional factory fitted DEUTZ-FAHR options: from LED work lights, air conditioning, iMonitor and camera to ISOBUS and PowerBeyond compressed air system. Our original equipment ensures that everything is a perfect fit and the quality and performance are right. Each individual tractor can be equipped with extremely versatile and flexible options, so it can be used all year round. Depending on the task profile, Series 9 tractors

meet the most diverse requirements for efficiency and productivity, because DEUTZ-FAHR combines decades of experience with continuous technological innovation. So you can get really far ahead. Please ask your DEUTZ-FAHR sales partner. They will be happy to advise you.

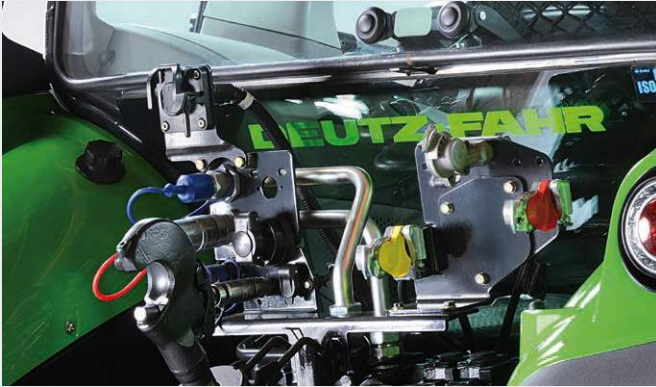




↑ The DEUTZ-FAHR ISOBUS interfaces at front and rear make the tractor compatible with attachments from all renowned manufacturers.



↑ Partial leather seat for even more driving comfort.



↑ The compressed air brake system decelerates trailers in all weight categories reliably and safely.



↑ LED package with up to 40,000 lm.



↑ Lockable tank covers for fuel and AdBlue tanks.



↑ Integrated camera with automatic full screen mode (e.g. reversing) for overview and safety.



↑ Rim ballast with up to 1,840 kg ballast weight.



↑ Cast iron front ballast with up to 2,500 kg.



EXCLUSIVENESS FOR YOU!

The 9340 TTV as a Warrior.

Highlights*

- Warrior comfort seat
- DEUTZ-FAHR floor mat
- Brilliant black paint on request
- Stainless steel tailpipe trim
- LED package
- Automatic climate control

*Available equipment depends on the market.



↑ Exhaust with stainless steel trim.



↑ Warrior comfort seat.



↑ DEUTZ-FAHR floor mat.

The 9340 TTV Warrior is the most powerful of the Warrior special models. Benefit from the Warrior LED package, enjoy the Warrior comfort seat and the automatic climate control. The impressive look of the Warrior Edition features a stainless steel tailpipe trim and, on

request, the striking brilliant black paint. Added comfort and exclusive options: the 9340 TTV Warrior!

| Technical data | | SERIES 9 TTV AGROTRON | | |
|---|----------------------|-----------------------|---------|---------|
| | | 9290 | 9310 | 9340 |
| ENGINE | | | | |
| Manufacturer | | Deutz | | |
| Model | | TTCD 7.8 L06 | | |
| Emissions stage | | V | | |
| Cylinders/capacity | Qty./cm ³ | 6/7,775 | | |
| Biturbo | | ● | | |
| Electronic viscous fan | | ● | | |
| Deutz Common Rail (DCR) | bar | 2,000 | | |
| Max. power (ECE R120) | kW/HP | 217/295 | 229/312 | 247/336 |
| Power at rated speed (ECE R120) | kW/HP | 204/277 | 218/296 | 232/316 |
| Engine speed at max. power | rpm | 1,900 | | |
| Nominal engine speed | rpm | 2,100 | | |
| Max. torque | Nm | 1,205 | 1,290 | 1,372 |
| Speed at maximum torque | rpm | 1,500 | | |
| Electronic engine control | | ● | | |
| Cyclone pre-separator | | ● | | |
| Fuel tank capacity | Litres | 600 | | |
| AdBlue capacity | Litres | 55 | | |
| CONTINUOUS TRANSMISSION | | | | |
| Model | | ZF Terramatic TMT 32 | | |
| Top speed | km/h | 40/50/60 | | |
| Engine speed at 60 km/h | rpm | 1,775 | | |
| Engine speed at 50 km/h | rpm | 1,480 | | |
| Engine speed at 40 km/h ECO | rpm | 1,480 | | |
| Active standstill (PowerZero) | | ● | | |
| Cruise control | Qty. | 2+2 | | |
| Driving strategies (Manual / Auto / PTO) | | ● | | |
| ECO/power management | | ● | | |
| Adjustable powershuttle | | ● | | |
| PTO | | | | |
| Rear PTO 540ECO/1000/1000ECO | | ● | | |
| Front PTO 1000 | | ○ | | |
| Front PTO 1000ECO | | ○ | | |
| AXLES AND BRAKES | | | | |
| Front axle with suspension | | ● | | |
| Electro-hydraulic all-wheel activation | | ● | | |
| Electro-hydraulic differential lock 100 % | | ● | | |
| ASM system | | ● | | |
| Brake system with activation of all-wheel drive | | ● | | |
| External disc brakes (standard at 50/60 km/h) | | ○ | | |
| Brake booster (PowerBrake) | | ● | | |
| Electric parking brake (EPB) | | ● | | |
| HYDRAULICS AND LINKAGE | | | | |
| Pump capacity (optional) | l/min | 210 | | |
| Pump capacity | l/min | 160 | | |
| Hydraulic system with closed centre system (load sensing) | | ● | | |
| Maximum removable oil quantity | Litres | 100 | | |
| Additional hydraulic oil tank | | ● | | |
| Hydraulic auxiliary control valves (standard) | Qty. | 4 | | |
| Hydraulic auxiliary control valves (optional) | Qty. | 5/6/7/8 | | |
| Electronic rear linkage | | ● | | |
| Lifting capacity, rear | kg | 12,000 | | |
| Front linkage | | ● | | |
| Lifting capacity, front | kg | 6,000 | | |
| ELECTRICAL SYSTEM | | | | |
| Voltage | V | 12 | | |
| Standard battery | V/Ah/A | 12/180/700 | | |
| Alternator (2x) | V/A | 12/2x 200 | | |
| Starter motor | V/kW | 12/4.0 | | |
| External socket | | ● | | |

● = 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.

| Technical data | SERIES 9 TTV AGROTRON | | |
|--|-----------------------|------|---------------|
| | 9290 | 9310 | 9340 |
| CAB | | | |
| MaxiVision2 | | ● | |
| Pneumatic suspension | | ● | |
| Adjustable rear view mirrors | | ● | |
| Adjustable, heated rear view mirrors | | ○ | |
| Air conditioning | | ● | |
| Automatic air conditioning | | ○ | |
| Open-view roof | | ● | |
| MaxCom multi-function armrest | | ● | |
| Multi-function joystick | | ● | |
| WorkMonitor | | ● | |
| Light panel | | ● | |
| iMonitor3 | | ○ | |
| Agrosky ready | | ○ | |
| ISOBUS compatibility | | ○ | |
| Comfortip Professional | | ○ | |
| Max-Comfort Dynamic XL++ seat (dynamic suspension, with low frequency) | | ● | |
| Padded passenger seat | | ● | |
| Prepared for radio with speaker | | ● | |
| Halogen work light | | ● | |
| Full LED work lights | | ○ | |
| Xenon work lights | | ○ | |
| Swivel seat | | ○ | |
| Code lock | | ● | |
| HITCHES | | | |
| Automatic trailer hitch | | ● | |
| Ball hitch, height adjustable (4,000 kg) | | ○ | |
| Ball hitch, automatic (fixed, 4,000 kg) | | ○ | |
| Tie rod | | ○ | |
| Tie rod, hydraulic | | ○ | |
| Pick-up hitch | | ○ | |
| Piton Fix | | ○ | |
| DIMENSIONS AND TYRES | | | |
| Front tyres | | | 650/65 R34 |
| Rear tyres | | | 710/75 R42 |
| Wheelbase (D) | mm | | 3,135 |
| Length (A) | mm | | 5,268 |
| Height (C) | mm | | 3,400 |
| Width (B) | mm | | 2,550 - 2,750 |
| Unladen weight, front | kg | | 4,850 |
| Ground clearance | mm | | 410 - 440 |
| Unladen weight, rear | kg | | 7,150 |
| Total unladen weight | kg | | 11,800 |
| Maximum permissible weight, front | kg | | 7,500 |
| Maximum permissible weight, rear | kg | | 12,000 |
| Maximum permissible total weight | kg | | 18,000 |




Your DEUTZ-FAHR sales partner



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