

SERIES

8



8280 TTV
STAGE V



// SERIES 8

DYNAMIC POWER

Are you #AlwaysOnTask to get your work done? With its powerful double turbo engine with 287 HP, a top-speed of 60 kph @ 16000 kg gross vehicle weight and dry front disc brakes the 8280 TTV is a strong and super agile tractor.

RELIABILITY

When you strive for success, the new 8280 TTV is #AlwaysOnYourSide. Manufactured in DEUTZ-FAHR LAND, it combines excellent performance, outstanding quality and innovative German technology. It is your reliable partner for your everyday jobs.



The #AlwaysOnTractor.

**YOUR RELIABLE, POWERFUL AND
CONNECTED WORKING MACHINE.**





CONNECTIVITY

Do you need to be #AlwaysOnTrack? Thanks to SDF Guidance and SDF Smart Farming Solutions, features like the SR20 receiver, AUTO-TURN and XTEND functionality the 8280 TTV is a precise and efficient working machine.

COMFORT

Do you spend long working hours and are #AlwaysOnBoard? Thanks to the intelligent front axle suspension, the pneumatic cab suspension, full LED package with 23x worklights, a 4.1 premium sound system as well as a removable cooling box the new 8280 TTV is so comfortable that you never want to get off.



DO YOU HAVE LONG WORKING HOURS? ARE YOU "ALWAYS ON" TO GET YOUR WORK DONE? YOUR TRACTOR SHOULD BE "ALWAYS ON" AS WELL!

The 8280 TTV is a reliable, powerful and fully connected working machine with the perfect technology mix for professional farmers and contractors. It sets new standards in terms of operator's comfort, acceleration on the road and dynamic driving behavior. Thanks to the powerful Deutz TTCD 6.1 Double Turbo Charged engine the tractor generates more power already at lower rpms. And due to the light vehicle weight an unrivalled power density of down to 33 kg per horsepower is reached. The high maximum permissible weight of 16 tons, available @ 40, 50 and also 60 kph, allows up to 6.5 tons payload. Due to a wide offering of equipments, the 8280 TTV can be customized on all applications and adapted precisely to the customer's requirements: from open field to transport, grassland operations or industry applications. The 8280 TTV is the perfect all-round tractor for modern contractors. New features introduced for the MaxiVision^{pro} cab ensure an unprecedented level of comfort, creating the ideal working environment for long hours on the field. The new SDF Smart Farming Solutions technologies like SDF Fleet Management or the SR20 receiver make the 8280 TTV the tractor for the future.

// MADE IN GERMANY

A production plant for the tractors of the future.

RELIABILITY

#ALWAYSONYOURSIDE

The 8280 TTV completes the line-up of DEUTZ-FAHR tractors manufactured in DEUTZ-FAHR LAND in Lauingen. It has been designed and engineered to be the most versatile and powerful part of your fleet, built to overcome the diverse challenges presented by terrain, prevailing conditions and operational windows. Manufactured in Europe's most advanced tractor factory with quality components of renowned suppliers, the 8280 TTV reaches a reliability never seen before.

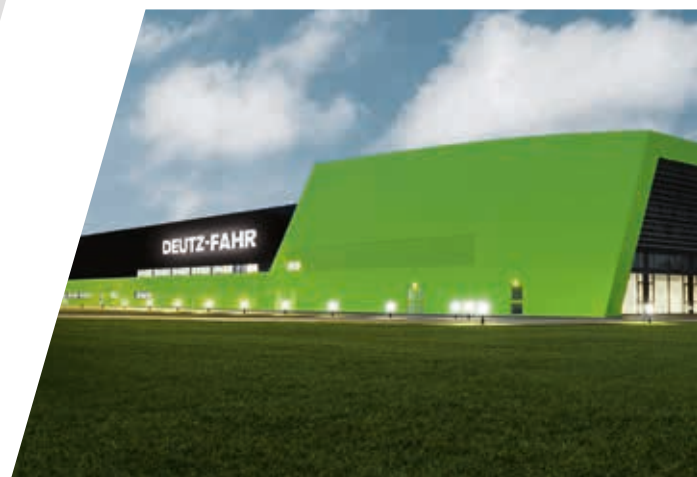
In combination with innovative Smart Farming Solutions, the 8280 TTV offers customized technological solutions for maximum efficiency in the field and on the road. It is your reliable partner when it comes to optimizing the economic impact of your operations.

And if you need support? DEUTZ-FAHR Service is at your side with expert advice and a fast and efficient spare parts service that meets the highest standards.

DEUTZ-FAHR SERVICE

NOT JUST CLOSE, BUT ALSO FAST.

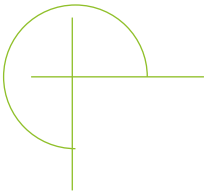
- > Genuine spare parts in premium quality
- > Fast and efficient advice and service
- > On-time deliveries - worldwide
- > Huge product offering for a wide range of machinery
- > Excellent price-performance ratio
- > Remote support for fastest support



> The DEUTZ-FAHR LAND and DEUTZ-FAHR ARENA in Lauingen, Germany.



> We set new standards in production quality.



// DYNAMIC #Always

When you are
#AlwaysOnTask you need
the right support.
The new 8280 TTV is
your powerful working
machine with the perfect
technology mix for a wide
range of tasks.



C POWER OnTask



// POWERFUL ENGINE

TTCD 6.1 Double Turbo Charged.

The 8280 TTV boasts a robust Deutz 6-cylinder engine equipped with a dual turbocharger. The design is meticulously crafted to deliver unparalleled performance and efficiency. It incorporates a cutting-edge Common Rail system and oil lubrication for the injection pump.

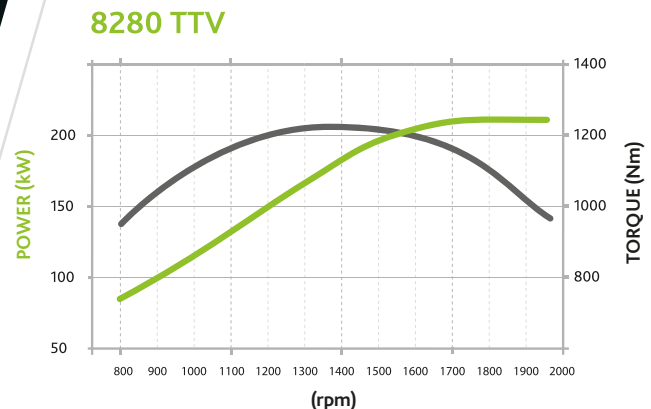
To meet the stringent emission standard of EU Stage V, the exhaust gases are thoroughly purified through an exhaust after-treatment system, which features a diesel particulate filter and employs innovative Selective Catalytic Reduction (SCR) technology. All those solutions result in a significantly lower AdBlue consumption compared to the peer group.

With an injection pressure reaching an impressive 2000 bar, this engine optimizes fuel combustion, ensuring a responsive and dynamic performance. This leads to a well-balanced torque curve, providing substantial power reserves even at lower engine speeds.

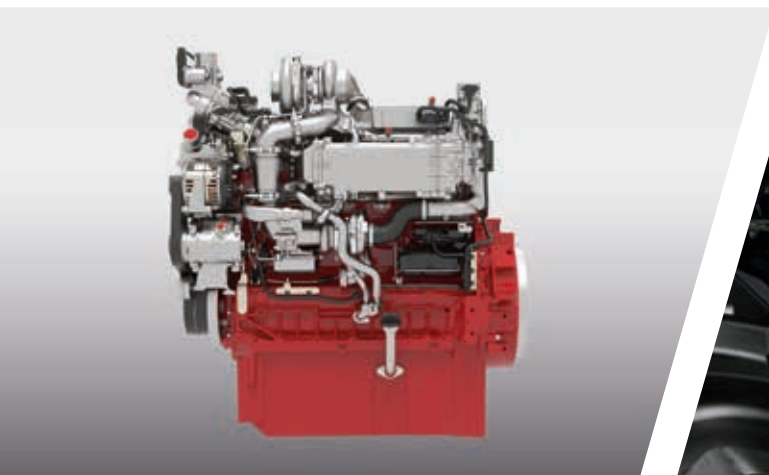
Maintenance-wise, the 8280 TTV offers the convenience of 1000-hour oil change intervals, making it a cost-efficient choice that maximizes machinery uptime. In addition to its efficient operation, this engine delivers an exceptionally smooth performance, resulting in a new level of driving comfort and minimal noise levels.



- > The 505-litre fuel tank and low fuel consumption allow long working days without refuelling.



- > High torque and power values through a wide rpm band.



- > Deutz TTCD 6.1 engine with Double Turbo Charger and EGR cooler.



- > Radiator with simple opening mechanism, precleaner and PowerCore air filter.

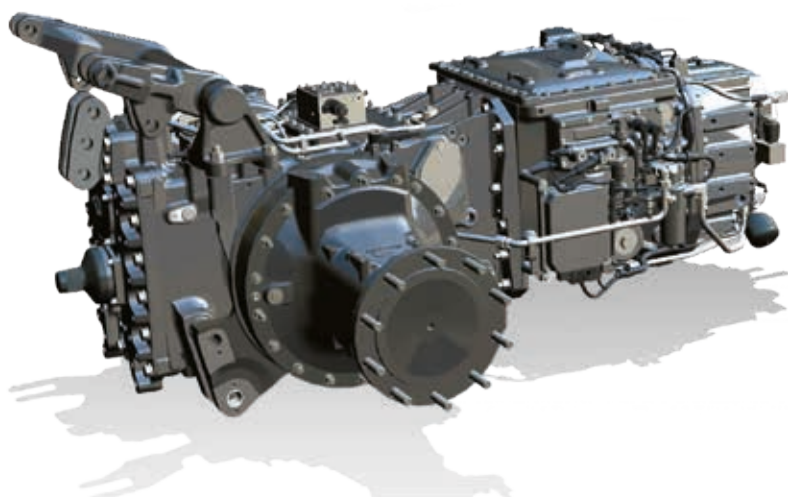


// SMOOTH TRANSMISSION

High efficiency guaranteed.

The new continuously variable transmission SDF T7780 is the result of many years experience in powertrain development and production. Assembled in the DEUTZ-FAHR LAND in Lauingen the new powertrain sets the benchmark in terms of efficiency and drivability. Due to the intelligent combination of a stepped planetary gearbox, clutch unit and two hydrostatic units, it evolves a new compound transmission, combining the benefits from each element and guaranteeing an absolute optimum of power flow. The 8280 TTV impresses with powerful acceleration, smooth deceleration and a fast response to changes in load. A simple transmission structure with two automatically shifted drive ratios allows smooth and automatic changes from lower to higher speeds, without any noise.

Thanks to its powertrain management it works efficiently and powerful in all conditions. With engine speeds of 1830 rpm at a top speed of 60 kph and 1220 rpm at 40 kph, the 8280 TTV also shows its full potential in transport operations. The robust structure combined with less weight, smooth drivability, easy service access and high mechanical ratio is the base for the comfort and dynamic of the 8280 TTV.



> SDF T7780 TTV transmission.



> Ergonomic MaxCom joystick.



> Electro-hydraulically operated all-wheel drive and differential lock with ASM button and independent hand throttle.



HIGHLIGHTS

- > Two automatically shifted drive ratios
- > Smooth driving behavior
- > High efficiency thanks to
 - combination of different technologies
 - high mechanical powerflow
 - less hydraulic components



> Electrohydraulic PTO selection.



> SenseClutch PowerShuttle.

// VARIABLE HYDRAULICS

Rising the productivity.

With a maximum lifting capacity in the rear of up to 11100 kg, the 8280 TTV has the power to lift a wide range of implements. To guarantee the maximum versatility of hydraulics, the new 8280 TTV is available in different configurations, all with electronic valves with up to 140 l/min throughput. There are up to five hydraulic control valves, on the rear side, while the front area is equipped with up to two. The highlight: all valves can be controlled proportionally. The operation of the 8th spool valve is located on the small joystick and can be precisely used for combined maneuvers with the cross lever.

With its automatic or hydraulic lower link stabilizers, wheel slip control via radar speed, hydraulic top link, external remote controls and an excellent view of linkage and drawbar the new 8280 TTV guarantees maximum power and control.

Flat couplers as a further option are offered for the first time. The max. available oil flow is an output of 210 l/min. With 90 l removable oil quantity the "Clean Oil Hydraulic System" allows to lift up even the heaviest and most demanding implements.

HIGHLIGHTS

- > 210 l/min, 160 l/min or 120 l/min Load Sensing pump
- > 90 l removable oil in "Clean Oil" System
- > 11100 kg rear lift capacity
- > Optional hydraulic side stabilizers
- > Integrated front linkage with 5450 kg lift capacity and DualSpeed front PTO



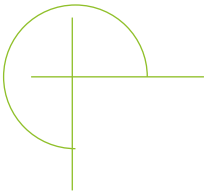
> Power Beyond with optional flat face couplers for a clean connection.



> 5450 kg lifting capacity and DualSpeed front PTO.



> High lifting stroke.



// CONNEC #Always

The 8280 TTV stands out as #AlwaysOnTrack. It's your reliable partner, offering unparalleled technology to boost efficiency without putting a strain on your budget.

ACTIVITY

OnTrack



// FULLY CONNECTED

The next level of smart farming.

The 8280 TTV seamlessly integrates cutting-edge autoguidance and telemetry features for precise field coverage, reduced fuel consumption, and increased production efficiency. Leveraging the inclusive 5 years of connectivity, it ensures reliable data transfer for various solutions.* Remote support minimizes downtime, and wireless data transfer via Agrirouter facilitates seamless information exchange. The optional SDF Fleet Management suite provides real-time tractor tracking and maintenance planning, reducing downtime and enhancing overall machinery reliability. The iMonitor H5 interface is a groundbreaking leap in compatibility and usability, serving as the central hub for streamlined operations, elevating your farming experience day and night.



THE NEXT LEVEL OF GUIDANCE

Modern steering systems save resources, increase convenience and productivity and ensure reliable precision. On the new 8280 TTV you can rely on highest accuracy and choose the system that best suits your operation.

SR20

The SR20, a cutting-edge GNSS receiver tailored for automatic steering systems, incorporates an IMU in its housing with a standard 3-axis gyroscope to detect fluctuations, ensuring optimal performance in all conditions. When combined with the CTM, the robust eSIM connectivity enhances reliability for guidance with RTK NTRIP. The optional Skybridge ensures the highest accuracy, even in the event of signal loss. Capable of tracking multiple satellite constellations, including GPS, GLONASS, GALILEO, QZSS and BeiDou, the SR20 boosts robustness and reliability in guidance.

ISOBUS

Electronics increase the safety, precision and efficiency of agricultural machinery. With ISOBUS, the operator can control all compatible implements from a single monitor (UT Universal Terminal). 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 assigning AUX (AUX-N) functions, automatic switching of up to 255 sections (TC-SC) and processing application maps (TC-GEO)

TRACTOR IMPLEMENT MANAGEMENT (TIM)

The 8280 TTV models offer TIM. TIM 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.



> The 8280 TTV is AEF certified for various features and TIM.



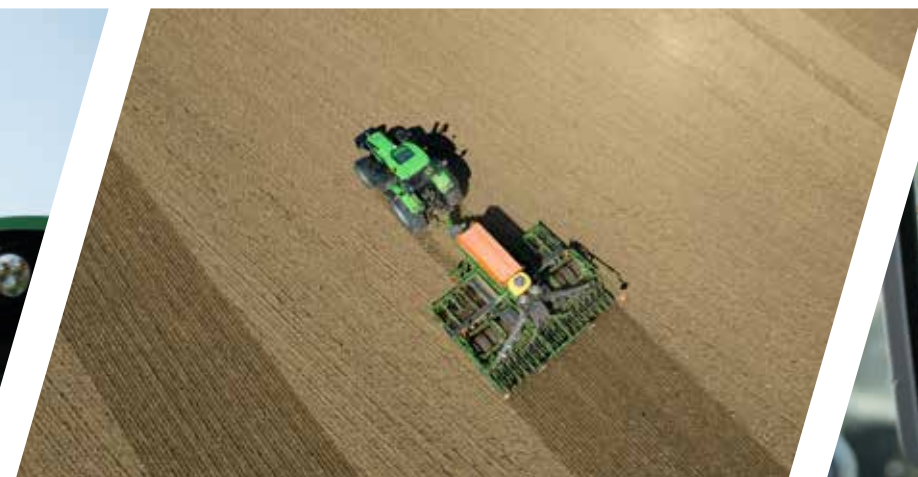
> The detachable SR20 receiver enables maximum precision in every situation.

* free 5 years connectivity package available in Europe. For more details refer to your DEUTZ-FAHR dealer.



HIGHLIGHTS

- > iMonitor with 8" or 12" as central interface to manage various applications
 - including Section Control and optional XTEND and AUTO-TURN
- > SR20 GNSS receiver for different accuracy levels
 - including optional Skybridge
- > Full integration of several ISOBUS features
 - including optional TIM
- > Data Management for reliable data exchange
 - including Agrirouter
- > Fleet Management for full control of machine data
 - Data package capable for remote diagnosis and NTRIP for 5 years included



- > SDF Guidance offers robust autoguidance with centimeter accuracy levels.



- > The iMonitor with H5 software offers a day and night mode for perfect visibility in different conditions.

Always Connected.

Optimised operations, increased efficiency, linked machines to the office and to any other external source simplifies various workflows. SDF Smart Farming Solutions offer practical answers 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, which allows users to analyse, monitor and optimise the use 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 the iMonitor remotely after drivers permission to assist for eventual upcoming operational questions or issues.

SDF Data Management

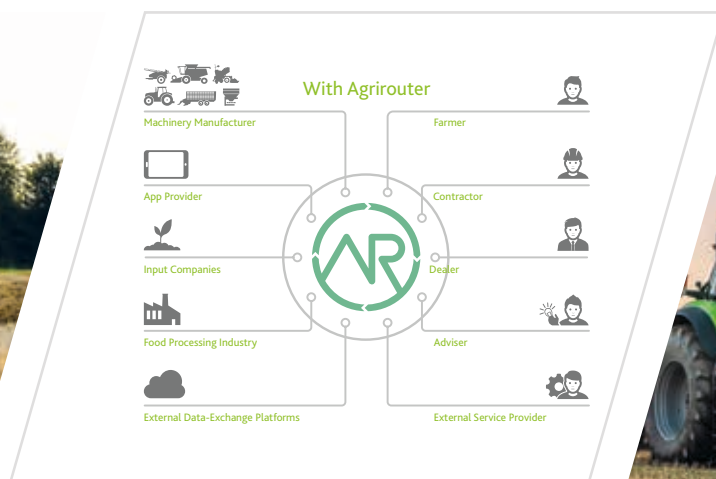
Efficient Data Management is becoming increasingly important to optimise work processes for farm and field management. SDF uses standard file formats like shape or ISO-XML for more reliable data exchange. This allows users to keep track of what is going on at all times with coherent data transferred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



Agrirouter is a universal platform permitting reliable and neutral data exchange between a wide variety of different terminals and applications. The platform simplifies data exchange and, therefore, work processes, reduces office workload and improves 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 such as Farm Management Information Systems (FMIS) and agricultural software applications from different manufacturers. Each user can create a free personal Agrirouter account and configure it individually. A list of partners and additional information can be found at www.my-agrirouter.com. The Series 8 is already fitted with the necessary hardware from factory, existing DEUTZ-FAHR tractors can be retrofitted subsequently with the required components.



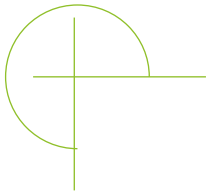
> SDF Fleet Management gives access to machine relevant data at all time.



> The Agrirouter enables communication between different applications and ensures reliable data exchange.



> Connect the 8280 TTV with your dealer for fast and comfortable support.



// COMFORT #Always

Do you have long working hours?
Are you #AlwaysOnBoard?
Thanks to the high level of
comfort of the new 8280 TTV
you never want to get off,
even on long working days.

RT OnBoard



// MAXIVISION^{Pro}

Highest comfort and many options for individualisation.

The MaxiVision^{Pro} cab is dedicated to providing a serene and comfortable workspace. It achieves exceptional levels of ride comfort through the pneumatic cab suspension, complemented by premium seating. The generously sized windows ensure an unobstructed 360° view of the tractor's surroundings, while the separate rear window enhances visibility in the rear attachment area. To further enhance visibility, the Series 8 tractors come equipped with new rear mirrors that are 65% larger and up to four external cameras. Incorporating high-quality materials creates a bright, welcoming atmosphere within the workspace. Various

mounting options are available for the swift and robust installation of control boxes for implements and mobile devices. A newly introduced cooling box ensures that snacks and beverages remain refreshingly cool during extended workdays. With as many as 23x LED work lights, the operator can maintain focus during nighttime operations. Furthermore, the new 4.1 premium sound system elevates the operator's listening experience, allowing them to enjoy their favorite music with even greater pleasure.



> MaxiVision^{Pro} cab interior.



> The removable cooling box keeps drink and food cool.



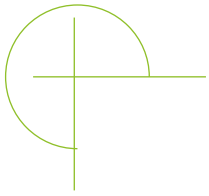
> The new 65% larger XLargeVision mirrors and the internal visibility package improve the 360 degree view significantly.



> The new 4.1 premium sound system offers a superior sound experience.







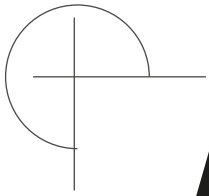
// WARRIOR

Discover your style:
where exclusivity meets
individuality.



R EDITION





// WARRIOR EDITION

All the exclusive features of the limited edition models.

Elevate your driving experience to unparalleled heights with the exclusive Series 8 models in the prestigious Warrior edition. Crafted with precision and designed for those who crave the extraordinary, the Series 8 Warrior is a true embodiment of style, performance, and innovation. Exclusive equipments make your tractor unique and more comfortable than ever.

Matt Black

Black

Matt Green

Java Green

Standard Green

> Warrior color palette: choose your style.



> 8280 TTV in matt green.

HIGHLIGHTS

- > Warrior comfort seats
- > Stainless steel muffler
- > Warrior decals and 3D lettering
- > Optional LED light package
- > Choice of 5 premium colours
- > Cab floor mat cover
- > Illumination of external fender controls*
- > Visibility package

*depending on tire size.



// ALWAYS SAFE

Innovative brakes and suspension.

Achieving peak productivity demands precise vehicle control, whether on the field or on road. The 8280 TTV stands out in its category as the sole tractor equipped with high-performance dry disc brakes on the front axle. It boasts a remarkable top speed of 60 kph, even while carrying a maximum permissible weight of 16 ton. This remarkable capacity allows for payloads of up to 6.5 tons, enough for towing the heaviest of implements within legal limits.

Furthermore, the 8280 TTV can be outfitted with intelligent trailer brake systems. The hydraulic Dual Mode trailer brake system enables seamless connection of both M.R. and non-M.R. trailers. The system smartly identifies the trailer type and adapts braking performance accordingly. Meanwhile, the advanced pneumatic trailer braking system (aTBM) of the pneumatic trailer brakes, optimizes braking behavior and provides real-time feedback on trailer brake conditions, enhancing both safety and comfort. Notably, the front axle's suspension concept and the pneumatic cab suspension in the 8280 TTV deliver unmatched comfort within its tractor class.

// SERVICE MADE EASY

Well thought, from the beginning.

DEUTZ-FAHR tractors have a rich tradition of being user-friendly machines when it comes to maintenance. Notably, they offer extended service intervals, such as 1000-hour engine oil change intervals. Furthermore, their design prioritizes accessibility to all maintenance points, enhancing overall satisfaction during the daily routine.

The introduction of new connected features further enhances the ownership experience. These advanced functionalities allow for remote analysis of the tractor, whether through over-the-air diagnostics or by utilizing the convenient remote support function available on the iMonitor. This level of technological integration ensures that customers can enjoy seamless and efficient maintenance support for their DEUTZ-FAHR tractors.

FAST SERVICE THANKS TO

- > Visual check via fluid-level glasses of coolant, hydraulic oil, transmission oil and front PTO oil level (only DualSpeed)
- > Engine oil check via dipstick without the need of opening the bonnet
- > External air supply at the entrance stairs as well as separate tool box with air hose and air gun for simple cleaning
- > Quick jump port on the right side



> Quick jump port and oil level glass.



> Pneumatic cab suspension for a smoother ride.



> Best in class service access.



> Maintenance steps above the front axle for comfortable cleaning.

> Dry disc brakes for maximum brake performance.

TECHNICAL DATA		8280 TTV
ENGINE		
Model		TTCD 6.1
Emission level		Stage V
Cylinder/Displacement	n°/cc	6/6057
Double turbocharger		●
E-Viscstatic fan		●
Deutz Common Rail (DCR)	bar	2000
Max. power (ECER120)	kW/HP	211/287
Rated power (ECER120)	kW/HP	197/268
Engine speed at maximum power	rpm	1900
Max. engine speed (rated)	rpm	2100
Max. torque	Nm	1226
Engine speed at maximum torque	rpm	1300-1500
Air filter with dust ejector		●
Fuel tank capacity	litres	505
AdBlue tank capacity	litres	35
Oil change interval	Hours	1000 (or 2 years)
TRANSMISSION		
Model		TTV T7780
Transmission Ratio		1.3402
PowerShuttle with 5 different settings		●
Driving Modes (Auto/Advanced Auto/PTO/Manual)		●
Max. speed 60 km/h	rpm	1830 ECO
Max. speed 50 Km/h	rpm	1535 SuperECO
Max. speed 40 Km/h	rpm	1220 UltraECO
Cruise Control		2+2
Active standstill (PowerZero)		●
HYDRAULICS AND HITCH		
Pump output (STD)	l/min	120 Load Sensing pump
Pump output (OPT)	l/min	160/210 Load Sensing pumps
Closed Hydraulic System		●
Separated oil system "Clean Oil"		●
Removeable oil quantity	l	up to 90
Separate Steering pump (double)	l	58
Aux. Spool valves (rear)	n°	4 or 5
Aux. Spool valves (front)	n°	1 or 2
Aux. Spool valves settable on time and flow		●
Power Beyond standard couplers		○
Power Beyond flat couplers		○
Hydraulic side stabilizers		○
External operation on fenders		●
Radar		○
Lifting capacity rear	kg	11100
External operation rear hitch		●
Lifting capacity front	kg	5450
External operation front hitch		○
ELECTRICAL SYSTEM		
Voltage	V	12
Standard battery	V/Ah	12/180
Alternator	V/A	12/200
External power socket		●
Implement interface 11786 (7 pole)		○
PTO		
540ECO/1000/1000ECO		●
Auto PTO		●
Front PTO 1000		○
Front PTO 1000ECO		○
Front PTO 1000 and 1000ECO changeable (DualSpeed PTO)		○
AXLES AND BRAKES		
Front axle model		M60 HD
Suspended adaptive front axle		○
Front axle with dry disc brakes		○
Performance steering ready with EasySteer function		○
Electro hydraulically operated front and rear differential lock with ASM		●
Four-wheel braking system with automatic 4WD engagement with ASM		●
Brake booster (PowerBrake)		●
Electronic parking brake (EPB)		●
Hydraulic trailer brake		○
Pneumatic trailer brake		○
Advanced trailer brake management (aTBM)		○
Hydrostatic steering with independent pump		●

● = standard ○ = option – = not available

TECHNICAL DATA

8280 TTV

MAXIVISION CAB

Cab		MaxiVision ^{Pro}
Mechanical cab suspension		●
Pneumatic cab suspension		○
XLarge Vision telescopic rear mirrors with courtesy LED		●
XLarge Vision telescopic rear mirrors with courtesy LED, heating and electronic adjustment		○
Air conditioning		●
Automatic A/C system		○
High visibility roof		○
High visibility roof FOPS		○
MaxCom joystick		●
Full multifunction satellite armrest with additional operation elements for electro-hydraulic spool valves		●
iMonitor with 8"		○
iMonitor with 12"		○
AUTO-TURN		○
XTEND		○
ISOBUS (with rear, front and in-cab connectors)		○
TIM (Tractor Implement Management)		○
VRC (Variable Rate Control)		○
SC (Section Control) 255 sections		○
SR20 RTK receiver		○
CTM connectivity module		○
Attachment brackets for tablet and smartphone		○
ComforTip Professional (only with iMonitor)		○
Seat Max-Comfort Plus XL, air suspension, adjustable seat position, pneumatic lumbar support, heating system		●
Seat Max-Dynamic Evo DDS XXL, air suspension with dynamic damping, adjustable seat position, pneumatic lumbar support, heating system and swivel		○
Seat Max-Dynamic Evo DDS XXL, synthetic leather, air suspension with dynamic damping, adjustable seat position, pneumatic lumbar support, active climate and swivel		○
Passenger seat		●
Pre-arrangement for radio with antenna and loud speakers		●
High-level DAB+ Radio with Bluetooth		○
4.1 premium sound system with High-level DAB+ Radio with Bluetooth		○
Removable cooling box		○
8x Halogen work lights on cab roof		●
Up to 23x LED work lights		○
Up to 2x Beacon lights LED		○
Driving lights LED		○

DIMENSIONS AND WEIGHTS


Front axle width (flange to flange, no brakes)	mm	1940
Front axle width (flange to flange, dry disc brakes)	mm	2046
Rear axle width (flange to flange)	mm	1890
Front tyres (min.)		480/70R30
Rear tyres (min.)		480/80R46
Front tyres (max.)		600/70R30
Rear tyres (max.)		900/60R38
Wheelbase (A)	mm	2918
Length (min.-max.) (B)	mm	4867-6065
Height (min.-max.) (C)	mm	3250-3300 (without beacon lights, which are foldable)
Width (min.-max.) (D)	mm	2550-2990
Ground clearance (min.-max.)	mm	450-510
Unladen weight, front (min.-max.)	kg	3770-4411
Unladen weight, rear (min.-max.)	kg	5660-6314
Total unladen weight (min.-max.)	kg	9430-10725
Maximum permissible axle load, front	kg	6400
Maximum permissible axle load, rear	kg	11000
Maximum permissible weight	kg	16000

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.





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