

FENDT



FENDT® 300 VARIO GEN5 SERIES | 113 TO 152 MAX HP

THE VERSATILE, EVERYDAY WORKHORSE.

The new Fendt 300 Vario Gen5 Series tractors sport the modern styling of the Fendt family in five models that pack a lot of power into a versatile tractor that's just right for your farm. With the addition of the new 310 Vario model, the line now includes a power range from 113 HP to 152 HP: 310 Vario, 311 Vario, 312 Vario, 313 Vario and 314 Vario.

Powered by the reliable AGCO Power™ 44 HD 4-cylinder engine, all Fendt 300 Vario models deliver consistent productivity and maximum efficiency thanks to the Fendt DynamicPerformance™ extra-power concept. DP adds up to 10 HP to each tractor's output via smart, automatic management of main and auxiliary power. New cab options increase comfort and ease of use, while new-generation Fendt Cargo loaders are perfectly matched to the 300 Vario Gen5, now with live third-valve capabilities.





Quick Specs and Features

- Base weight: 11,045 lbs. (5,010 kg)
- Maximum power with DP ECE R120: 113-152 HP
- Three-speed rear PTO standard; optional front PTO
- AGCO Power 44 HD 4-cylinder, 4.4-liter engine
- Fendt DynamicPerformance on all models for 10 HP boost
- Maximum speed: 25 mph (40 km/h)



Ideal for:

- Haying operations
- Loader applications
- Specialty crops
- Light tillage
- Application work
- Transport
- Mowing, chopping, snow removal



FENDT 300 VARIO GEN5 SPOTLIGHTS

Fendt solutions that make the difference

From 113 to 152 HP (page 6)

- The new 300 Vario Gen5 Series features the reliable AGCO Power 44HD 4-cylinder, 4.4-liter engine
- Now all models, including the new 310 Vario, achieve up to 10 HP added power with Fendt DynamicPerformance™

Fendt DynamicPerformance (page 7)

- Automatically tells the engine to deliver extra power if there is a demand from auxiliary consumers, such as the engine fan or compressed air supply
- Regardless of the application, Fendt DP ensures consistent work performance and productivity

Tractor Management System (page 8)

- The tractor management system (TMS) automatically regulates the engine and transmission in the most resourceful way
- TMS and automatic load limit control 2.0 deliver more dynamic driving under load

Proven Stepless Fendt Vario CVT (page 8)

- Seamless, intuitive transmission operation from 65 ft. per hour to 25 mph at low and quiet 1,550 rpm
- Wear-free direction change from forward to reverse drive as the hydro pump swivels
- Constant PTO rpm at variable driving and engine speeds

Intelligent Assist Systems (page 9)

- Self-leveling front axle suspension for constant suspension comfort and permanent traction
- Automatic steering axle lock ensures precise handling when pulling a grain cart or other trailer
- Smart 4WD and selective differential lock provide ultimate tractive power with full maneuverability

Three Optional Cab Line Packages (page 10)

- Profi+ with the complete suite of Fendt Guide precision ag products
- Profi line, perfect for operations requiring just ISOBUS controls
- Power line offers a cost-effective solution for loader and chore tractors

GroundVision™ Lighting; Digital Rear Camera (page 13)

- With GroundVision, two integrated fender spotlights provide a clear view of the rear hitch and implement area, day or night
- Enjoy a high-resolution view of rear implements with a digital camera

Fendt Cargo Front Loaders (page 14)

- New multi-coupler with Cargo Lock and auto-closing dirt flap
- Two or three separate valves (lift/tilt/live 3rd valve) for efficient work with no shared hydraulic lines

Upgraded VisioPlus™ Cab (page 15)

- Comfortable, upgraded cab with generous field of view and option of heated laminated-glass front windshield
- New rotating driver seat option for comfort and convenience

FendtONE™ Workstation (page 16)

- Customize and program the FendtONE system to fit your operation and way of working onboard and offboard
- Up to three displays: digital 10-inch dashboard and two optional 12-inch in-cab monitors, one retractable into the roof lining
- Control nearly every aspect of machine operation with the customizable multi-function joystick

Gold Star Customer Care (page 18)

- Three years or 3,000 engine hours full machine warranty PLUS all scheduled maintenance
- Loaner tractor guarantee
- Five-year subscriptions to Fendt Connect and PTx FarmENGAGE operations software



NIMBLE POWER. SIZED RIGHT.

Under the sleek hood of the new 300 Vario lies a real powerhouse: the AGCO Power 44 HD engine. The 4-cylinder engine with a cubic capacity of 4.4 liters delivers an impressive maximum output of up to 152 HP – ideal for versatile use in the field, in transport or for municipal tasks. Multi-point injection with 26,000 psi injection pressure and electronic engine control allows you to call up needed power precisely and efficiently. The Fendt 300 Vario Gen5 reaches a top speed of up to 25 mph (40 km/h) at a low engine rpm of 1,550 for economical road transport. It features increased idle speed with intelligent lowering to avoid stalling in cold temperatures and improve PTO start-up. Maintenance-free hydraulic tappets enable automatic valve clearance adjustment and contribute to low-vibration operation.



Stay cool when it's hot

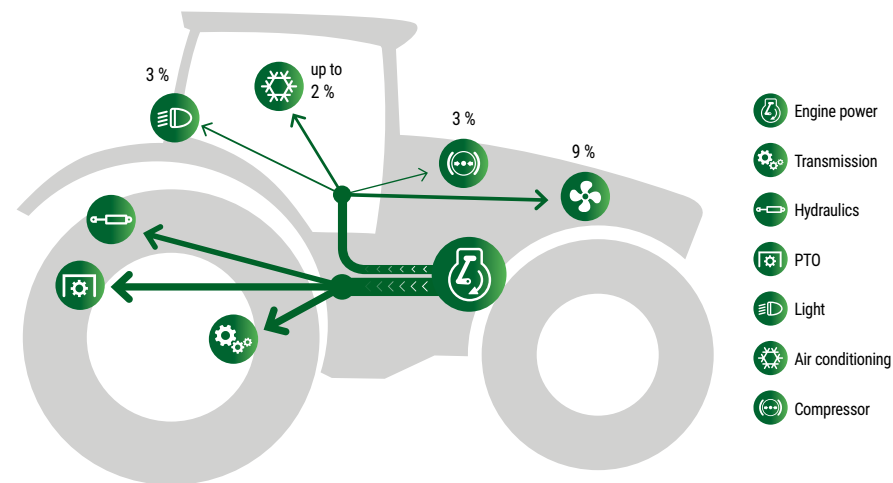
The large intercooler in the 300 Vario engine keeps the tractor running cool and clean with a smart design that avoids dirt deposits on the flat radiator floor and is easy to access and maintain. The electronically controlled Viscronic fans adapt precisely to the actual cooling need at the time, reducing noise, saving up to 1.4% in fuel and increasing driving comfort. Control each high-airflow fan individually for even more efficiency. You can rely on this system to keep your 300 Vario running cooler longer and with less maintenance day in and day out, even in dusty conditions.



DYNAMIC PERFORMANCE: EXTRA POWER WHEN YOU NEED IT

While a tractor's engine power must feed many auxiliary consumers, you can't afford power losses that affect performance of your main tasks. The Fendt DynamicPerformance (DP) extra-power concept, now in all 300 Vario models, provides an intelligent solution that automatically tells the engine to deliver extra power if there is a demand from auxiliary consumers, such as the engine fan or compressed air supply.

Perform maximum work with minimum fuel consumption as Fendt DP variously and continuously provides up to 10 HP additional power for increased productivity and efficiency, even during demanding PTO, towing or hydraulic work. Unlike conventional boost systems, Fendt DP goes into action without being restricted by certain conditions, thus ensuring consistent work performance and productivity—regardless of the application.



THE VARIO EFFECT: THE ORIGINAL STEPLESS CVT

The heart and soul of the Fendt 300 Vario Gen5 remains the proven stepless Fendt Vario CVT. Fendt engineers were the first to put a continuously variable transmission into production tractors more than 30 years ago. Fendt owners continue to benefit from the "Vario Effect" with tractors that always work at the perfect speed and optimum efficiency to achieve maximum area coverage in less time and with less fuel.

The efficiency, control and comfort when operating a 300 Vario are unmatched in utility tractors, with seamless, intuitive transmission operation from 65 feet per hour to 25 mph at a low and quiet 1,550 engine rpm. Even on slopes, you can come to a smooth standstill thanks to the active stop control, so helpful in round baling and other stop-and-go operations.

The perfect duo: TMS and load limit control

The combination of the Fendt limit load system 2.0 and the Tractor Management System means you can always work in the optimal range. The automatic limiting load determines how much the engine speed may drop under load before the transmission intervenes, while TMS manages the engine speed and transmission ratio. You set the target speed, and the tractor takes over the rest for more dynamic driving under load, higher driving comfort and fuel savings.



INTELLIGENT ASSIST SYSTEMS AT YOUR SERVICE

Fendt intelligent technologies combine safety and comfort in important assistance systems on the Fendt 300 Vario Gen5. They work hand in hand to provide greater stability and ease of use around the farmstead and when transporting and hauling under demanding conditions.



Automatic steering axle lock

This assist system unlocks the trailer's self-steering axle at a predefined speed. On straight stretches, the locked self-steering axle ensures stable handling. Operators do not need to lock the self-steering axle manually outside of the preselected speed range or when reversing.



Self-leveling front axle suspension

The integral, automatic self-leveling, lockable front axle suspension with position sensor guarantees constant suspension comfort and permanent traction, independent of load. The suspension can be completely deactivated at the touch of a button for any tasks that require accuracy and precision, such as loader work.



Smart 4WD and automatic differential lock

The automatic steering and speed-dependent system for 4WD and the rear multi-disk differential lock are a huge help on the headland. Depending on the requirements, both systems are switched on or off based on steering angle or speed. The result is ultimate tractive power with full maneuverability.

LEAN. LOADED. YOUR CHOICE.

The Fendt 300 Vario Gen5 is available in North America in three different packages. This ensures that you can gain all the best performance and innovation from Fendt, tailored for your needs. The table on the facing page (right) details the innovations included in the Power, Profi and Profi+ lines.



Power



- Crossgate lever
- No hydraulic fingertip controls
- 10" terminal only

Profi



- 3L joystick
- Hydraulic fingertip controls
- 12" terminal

Profi+



- 3L joystick
- Hydraulic fingertip controls
- 12" terminal
- Fendt Guide

The images to the right represent the cab control configurations for the three different cab packages.

LINE PACKAGES

Power

4-cylinder AGCO Power 44 HD engine with 4.4-liter cubic capacity, DynamicPerformance

Vario CVT with independent 4WD; up to 25 mph / 40 kph at 1,550 RPM

FendtONE driver's workstation: Adjustable multi-function armrest with controls, 2-way crossgate lever, 10" digital dashboard

29 GPM (109 l/min) hydraulic pump; up to four rear hydraulic valves

Self-leveling front-axle suspension, lockable

GroundVision™ integrated fender spotlights

4WD and automatic differential lock steering angle and speed-led

Options: VarioGrip™ tire pressure regulation system; high-resolution, digital front and rear cameras

Profi

Includes all Power features and options PLUS:

12" terminal on armrest standard, with touch and push dial control; 3L joystick

Second 12" terminal, optional in right side of roof liner, retracts halfway

Up to four rear, three middle and one front hydraulic valves with two pairs of rockers (four linear modules) to operate them

Corner, coming-home light and courtesy lights

Smart Farming equipment: Machine Control basic package to control ISOBUS instruments; front implement control via ISOBUS interface is optional

Options: Double-acting lifting cylinder; UV protection by white painted roof; Infotainment: AM/FM/FMHD, Bluetooth®, USB, AUX-IN, hands-free speaking system, superior audio quality.

Profi+

Includes all Power & Profi features and options PLUS:

Smart Farming equipment: Guide basic package including Fendt Guide when equipped with receiver. Agronomy basic package including Fendt TaskDoc®

Options: Fendt Contour Assistant, Fendt TI Headland, Fendt Implement Slope Compensation, Fendt Section Control, Fendt Variable Rate Control, Fendt Implement Management (TIM)



WORK JUST GOT EASIER.

The hydraulic system and the three-speed rear PTO of the Fendt 300 Vario Gen5 together form the basis for powerful, efficient and versatile work. The sensitive control of the hydraulics enables precise work with a wide variety of implements, while the robust PTO ensures reliable power transmission in the optimum range with low fuel consumption. The variable displacement pump with electric load sensing delivers a flow rate of 29 GPM. Add an optional front PTO to put both ends of the tractor to work with multiple implement combinations. For efficient and precise loader operations, the 300 Vario now comes with two or three separate valves (lift/tilt/live 3rd valve) with no shared hydraulic lines. Control implements using your choice of finger-tip controls, crossgate lever, multi-function drive lever (proportional) or 3L joystick.





External controls on both rear fenders allow convenient operation of the power lift and actuation of the PTO and hydraulic valves.



Self-closing dust caps protect connections on the front and rear of the tractor.



New GroundVision, included with all lighting packages, uses two LED lights in the rear fenders to light the hitch and front of the rear implement.

Light up the night

The 300 Vario Gen5 Series features new GroundVision drawbar lighting in the right and left fenders, with LED lights generating 1,700 lumens to perfectly illuminate hitch, PTO and rear implements. This ensures you have the best visibility for attaching or unhooking implements at night, and to monitor areas like a baler pick-up when working after dark.

Digital rear camera for a better view

For better views of your implements, the Fendt 300 Vario Gen5 can be outfitted with a digital rear camera discreetly placed under the license plate holder. The camera gives you a full overview at all times with super-sharp, high-resolution image quality. Whether you're coupling, switching, using the equipment, or just backing up, you'll always have full control and complete visibility.

LOAD UP WITH FENDT CARGO LOADERS.

The new Fendt Cargo loader series sets new standards in comfort, safety and control for front loader work with intelligent technology, an independent valve block with up to three separate valves, and sensitive control via crossgate lever or the 3L-Joystick. The added live 3rd valve lets you operate three functions simultaneously (e.g., lifting, tilting, gripping).

All five new Fendt Cargo front loaders for the Fendt 300 Vario Gen5 have a swing arm width of 40.9 inches (1.04 meters) and combine advanced technology with fast and safe handling. Connect to the new dedicated loader valves on the 300 Vario Series with the Cargo loaders' new multi-coupler, featuring an automatically closing dirt flap and less pressure loss. The Cargo Lock hydraulic implement lock allows convenient tool changes from the tractor in any loader position, with mechanical locking monitoring to handle the full line of Fendt loader implements, including a light-material bucket, round-bale tine, large-bale fork, pallet forks, silage grab bucket and several universal buckets.

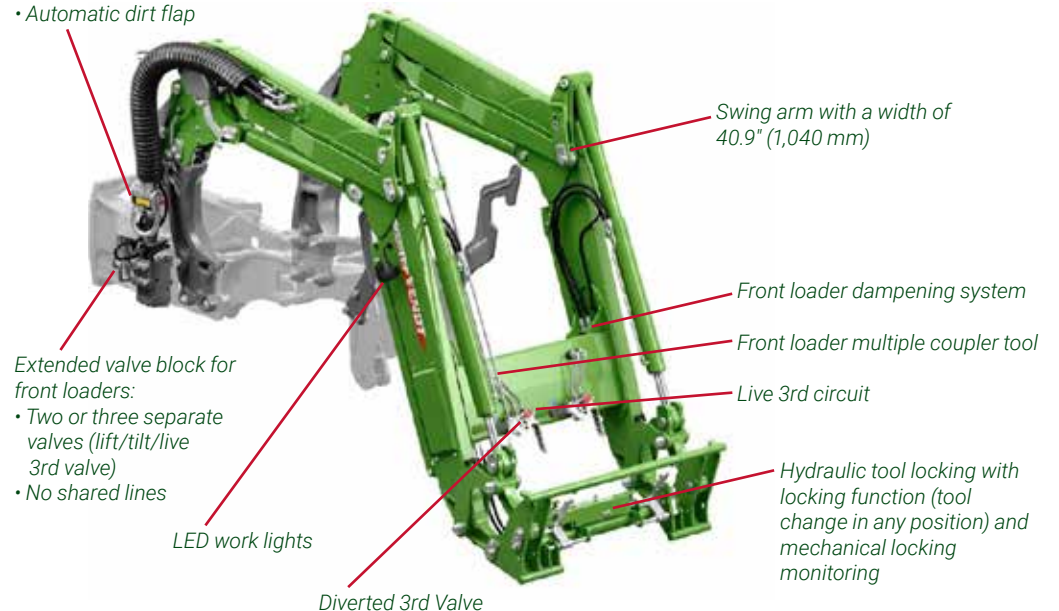
Cargo Front Loader Models:

- 4.75 S Compact
- 4.75 S
- 4.75 3rd Valve
- 4.75 Profi
- 4.75 Profi 3rd Valve



New multi-coupler:

- 4-hose/6-hose cross-compatible with each other
- Less pressure loss
- Automatic dirt flap



CUSTOMIZE. ORGANIZE. OPTIMIZE.



The Fendt VisioPlus™ cab with the FendtONE workstation is a spacious, well-organized control hub with excellent, 77° panoramic vision that is ideal for front loader work. An optional laminated, heated front windshield provides noise insulation and clear visibility in all seasons. Choose the right-hand door option for even more flexible entry and exit and easy access to hitch/unhitch the front loader.

In the cab of a Fendt 300 Vario Gen5, you'll find:

- Up to three display options, with 10-in. digital dashboard standard and 12-in. terminal on the armrest included with Profi and Profi+. Optional secondary 12-in. terminal stows into the roof liner.
- Highly customizable multi-function joystick with flexible key assignment with Individual Operation Manager (IOM). Controls are color-coded for similar functions.
- Comfort for long days with four driver-seat options including a new super-comfort Titanium model that rotates 20°, roller blinds, storage and power connections.
- Infotainment: Modern, integrated, hands-free system with a wide range of external audio sources. Four premium speakers deliver perfectly balanced sound, with option of added subwoofer, and you get the best reception and transmission quality for hands-free calling, thanks to microphones throughout the roof lining.

WORK HAS NEVER BEEN SO COMFORTABLE.

Operator comfort in the Fendt 300 Vario Gen5 starts with a choice of three VisioPlus cab variants with different suspension systems, and four driver's seat options, including a new Titanium super-comfort seat with air-suspension, 20° rotating seat with heating and ventilation, low-frequency suspension, pneumatic lumbar support, electric adjustment of seat height and lateral stabilizer. The top premium seat remembers each operator's settings through the terminal, where you can also set comfort functions to match that day's working conditions.

The updated, centralized climate-control system optimizes comfort, with combined heating and cooling controls and the option of automated climate control. The cab's designers have protected the cab and its wiring with three integrated and dustproof cable leads below the rear window for less dirt ingress and better sound insulation. Set up the interior to fit how you work with terminal and tablet mounts, holders and sockets throughout.



IT'S ALL WITHIN REACH.

- 1 As well as the familiar clover leaf operation, the multifunction joystick includes two controls for proportional valve control and four freely assignable white keypads.
- 2 Easily manage the usual transmission and driving functions with pushbuttons: including two engine speed programs, two cruise control settings and a dial-controlled active cruise control setting.
- 3 The 3L joystick (with Profi and Profi+) offers sensitive control without you having to reach over two control valves. Complex implement functions can be controlled with the optional third and fourth hydraulic circuits. These are activated using the small thumb lever on the joystick.
- 4 Five white buttons ready for you to assign: You have the option to freely assign functions to specific controls to individualize settings for different operators.
- 5 The lower control level includes the LED display for each setting. The driver immediately sees whether buttons have been re-allocated by the color concept. By default, these are the hydraulic valves.
- 6 PTO operation.
- 7 Front power lift and rear power lift with depth adjustment.
- 8 Control buttons for the all-wheel drive, differential locks on the left, power-lift settings on the right and in the middle, the five freely assignable white buttons.
- 9 Use the central pushdial to decide what to show on the Fendt 300 Vario Series displays. This includes four quick access keys for Back, Launchpad, Overview, Individual Operation Manager (IOM) and switching between terminal and dashboard.
- 10 Air-conditioner control dial
- 11 Engine hand throttle and foot pedal maximum speed.
- 12 Selective control valves 1 through 4 (freely assignable).

THE BOTTOM LINE: WE CARE ABOUT YOURS.



The Fendt Gold Star Customer Care Program is the best in the business. We'll help you manage every aspect of your variable expenses and risks. We'll also provide the kind of after-sale care that rewards you with exceptional resale value when you eventually trade in your tractor for a newer model.

The Offering

Available for all customers to provide a fully customized warranty plan.

The Warranty

Three years or 3,000 engine hours warranty, including all scheduled routine maintenance and all other repairs, as required.

The Maintenance

All parts and labor required to perform factory-recommended maintenance within the three-year/3,000 engine hours warranty period is included with Gold Star. Dealers perform maintenance at scheduled intervals or annually during the program.

The Parts

Fendt dealers use only genuine AGCO® parts, so your Fendt is always 100% Fendt. All parts are covered for one year and all labor for six months under the AGCO Parts Advantage warranty.

The Service

Fendt dealers and their factory-trained certified technicians use only the highest-caliber diagnostic tools.

The Loaner

If your tractor can't be repaired in 48 working hours*, we'll provide you a loaner tractor. We stand by this promise for three years or 3,000 hours.

The Operations Software

All Fendt 300 Vario Gen5 Series tractors come with five-year subscriptions to Fendt Connect and PTx FarmENGAGE farm operations software.

*Two full 24-hour days

Manage your farm's workflow

In the field of smart farming, Fendt offers a wide range of products and solutions to help farmers use their equipment in efficient and productive ways. There is a range of products to choose from for guidance, agronomy, telemetry and machine control.



Gold Star+ (Optional)

For longer working periods, you can extend the standard Gold Star offering with Gold Star+. Many of the same benefits but for as long as five years or 5,000 hours.

SPECIFICATIONS

Engine	310 Vario	311 Vario	312 Vario	313 Vario	314 Vario
Maximum power ECE R 120 (HP/kW)	103 / 76	113 / 83	123 / 90	133 / 98	142 / 104
Maximum power with DP ECE R 120 (HP/kW)	113 / 83	123 / 90	133 / 98	143 / 105	152 / 112
No. of cylinders/cooling/cylinder bore X stroke	4 @ 4.25 in (108 mm) X 4.72 in (120 mm)				
Displacement	268 cu. in / 4,400 L				
Rated engine speed	2,100 rpm				
Max. Torque at 1,300 rpm (ft-lbs/Nm)	366 / 497	395 / 536	421 / 571	448 / 608	479 / 650
Tank capacities	Fuel tank: 55.4 gal / 210 L • DEF tank: 6 gal / 23 L				
Transmission / PTO					
Transmission type / model	Stepless Vario Transmission / ML 75				
Speed range	Forward – 65 ft./hr. (.012 mph) to 25 mph / 0.02 km/h to 40 km/h • Reverse – 65 ft./hr. (.012 mph) to 15.5 mph / 0.02 km/h to 25 km/h				
Rear PTO	540 / 540E / 1,000				
Front PTO option	1,000				
Engine speed for rear PTO (PTO rpm @ engine rpm)	540 @ 1,801 / 540E @ 2,083 / 1,000 @ 1,884				
Engine speed for front PTO (PTO rpm @ engine rpm)	1,000 @ 1,897				
Power Lift and Hydraulics					
Variable displacement pump	29 gpm / 110 L/min				
Operating pressure / control pressure	2,900 + 290 psi / 200 + 10 bar				
Max. number of valves (front/center/rear) Profi / Profi+	1 / 3 / 4				
Max. available hydraulic oil volume	11.3 gal / 43 L				
Continuous lift capacity at hook ends	9,414 lbs / 4,270 kg				
Continuous lift capacity 24" (610 mm) behind coupling point	7,923 lbs / 3,594 kg				
Max. front power lift capacity	6,800 lbs / 3,084.4 kg				
Electrical Equipment					
Batteries	1				
Battery power	180 Ah / 12 V				
Alternator	14 V / 220 A				
Weights / Dimensions					
Empty weight (base tractor with cab, full tanks, no driver)	11,045 lbs / 5,010 kg				
Max. permissible overall weight	20,943 lbs / 9,500 kg				
Max. permissible front axle load	9,920 lbs / 4,500 kg				
Max. permissible rear axle load	15,432 lbs / 7,000 kg				
Max. trailer hitch drawbar load	4,409 lbs / 2,000 kg				
Front axle flange width	66.3 in / 1,760 mm				
Rear axle flange width	70.9 in / 1,576 mm				
Overall length	170.7 in / 4,336 mm				
Total height cab (with • without Fendt Guide)	114.67 in / 2,910 mm • 111 in / 2,820 mm				
Max. ground clearance	20.1 in / 510 mm				
Wheelbase	95.3 in / 2,420 mm				

* Dimensions are with standard tires. Values subject to change.

FENDT



FENDT 300 VARIO GEN5 SERIES



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