

FENDT



FENDT® 800 VARIO GEN5 SERIES | 283 TO 343 MAX HP

SMART POWER. SERIOUS CAPABILITY.

FENDT 800 VARIO GEN5 SERIES



As the fifth generation of a trusted workhorse, the Fendt 800 Vario Gen5 Series delivers more of the power you need in a tractor sized to handle demanding work efficiently year-round. The three new models—826 Vario, 829 Vario and 832 Vario—range from 283 HP up to 343 maximum HP for a smart balance of horsepower, efficiency and versatility. The boost in power comes from the new AGCO Power™ CORE80 6-cylinder engine paired with the Fendt iD™ low engine speed concept for increased torque at lower RPMs. Fendt DynamicPerformance™ optimizes horsepower delivery and improves efficiency. New cab upgrades and new 360° LED lighting add comfort and convenience to long working days.

Quick Specs and Features

- Base weight: 21,825 lbs. (9,900 kg)
- Maximum power with DP ECE R120: 283–343 HP
- Four-speed rear PTO standard; optional front PTO
- New AGCO Power CORE80 6-cylinder, 8-liter engine
- Maximum speed: 31 mph (50 km/h)
- Maximum ballast weight: 38,581 lbs. (17,500 kg)
- Continuous rear power lift capacity: up to 19,416 lbs. (8,087 kg)
- Optional front power lift capacity: up to 11,685 lbs. (5,300 kg)
- New, intelligent, stepless VarioDrive™ drivetrain with automatic 4WD
- Optional Fendt VarioGrip™ tire pressure regulation system



Ideal for: Row crops and tillage
Specialty crops
Large hay tools
Grain-cart work
Transport
Snow-removal applications



FENDT SPOTLIGHTS

Ten Fendt solutions that make the difference

From 283 to 343 HP *(page 6)*

- All three models in the 5th-generation 800 Vario Series deliver bold performance 24/7 with the new generation AGCO Power™ CORE80 6-cylinder engine and the Fendt DynamicPerformance™ extra-power concept
- Smooth, low-vibration engine with low maintenance costs

Exceptional ROI *(page 7)*

- Optimized frame delivers excellent stability with low empty weight
- Impressive payload of 16,800 pounds to handle heavier implements and transport loads

Intelligent VarioDrive™ Drivetrain *(page 8)*

- Seamless, intuitive transmission operation from 65 ft. per hour to 31 mph
- Independent front and rear hydraulic transmission motors divert power and reduce slip

Fendt iD Low Engine Speed Concept *(page 9)*

- Handle heavy-duty field work efficiently with high torque at lower engine speeds
- Reduced fuel consumption
- Longer engine life
- Smooth, quiet operation for improved operator comfort

VarioGrip *(page 10)*

- Optional integrated tire pressure control system
- Reduces compaction and tire wear; improves traction

360° LED Lighting with UltraVision *(page 11)*

- All-new, CAN-based UltraVision LED worklights on the cab roof deliver an impressive 114,700 lumens, ensuring bright daylight-like illumination even on the darkest nights
- With the innovative 360-degree lighting concept, you can maintain a clear view of all work areas around your tractor, day or night

Operator Comfort Upgrades *(page 12)*

- New cab includes a large 3.2-gallon compressor cooling box
- Modern, hands-free infotainment system, plus optional premium massage seat and cabin dust extraction

FendtONE™ Workstation Technology *(page 14)*

- 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 12-inch in-cab monitors, one retractable into the roof lining
- Control nearly every aspect of machine operation with the customizable multi-function joystick

Dual-Pump, Dual-Circuit, On-Demand Hydraulics *(page 16)*

- Up to 101.7 GPM hydraulic system output for unmatched, dedicated hydraulic performance ideal for demanding implements
- Choose from three pump configurations allowing separate hydraulic supplies

Gold Star Customer Care *(page 22)*

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

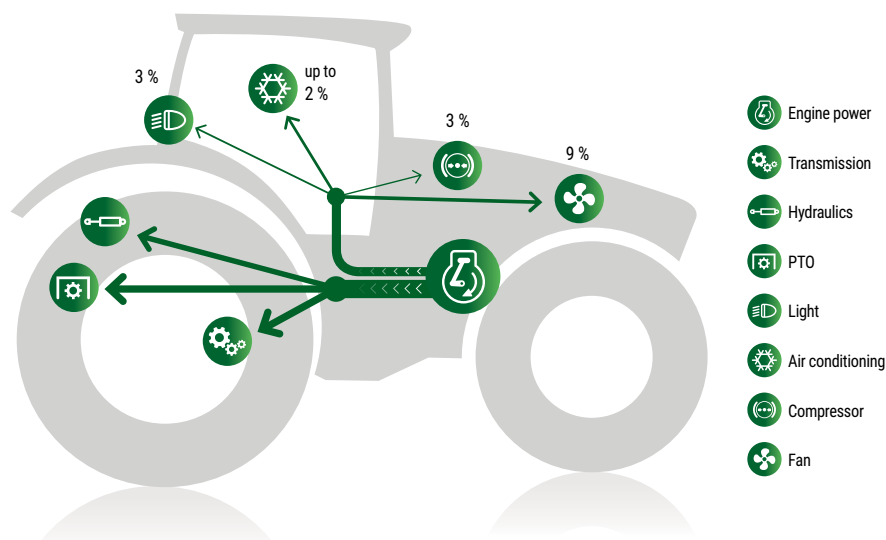


DYNAMIC PERFORMANCE: EXTRA POWER WHEN YOU NEED IT.

Power where and 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 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.

With Fendt DP, all Fendt 800 Vario Gen5 Series model tractors offer up to 23 HP more power for increased productivity and efficiency. 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.



RETURN ON INVESTMENT: WORKING HARD IN EVERY ROLE



Efficient power for your bottom line

When you invest in a versatile tractor like the Fendt 800 Vario Gen5, you get a powerful partner that will meet and exceed your expectations in a wide variety of applications, from field work at every crop stage to powering implements and efficient transport.

The 800 Vario Gen5 Series was newly developed with every engineering advantage you've come to expect from Fendt. With the new-generation, 6-cylinder AGCO Power CORE80 engine on board, the result is a tractor with the power to handle the toughest demands of daily operations while lowering fuel costs and saving time.

You can take these unique benefits to the bank

At the top of the mid-range tractor class, only Fendt Vario 800 Gen5 Series tractors give you:

- Excellent fuel efficiency and automatic power management to get more done with lower input costs.
- An optimized frame that delivers excellent stability with a low empty weight, enabling an impressive payload of 16,800 pounds.
- A single-stage, stepless VarioDrive drivetrain, which guarantees maximum comfort and agility as well as permanent, independent four-wheel drive for efficient turning, more productive time and soil protection.
- Perfect utilization of the standard tractor concept with unrivaled performance in traction, PTO and hydraulic power for every job on the farm.

800 SERIES + VARIODRIVE = PERFECT MATCH.

The intelligent VarioDrive drivetrain

One of the biggest steps forward in the redesign of the Fendt 800 is the incorporation of the unique and intelligent Fendt VarioDrive drivetrain.

Fendt pioneered the first continuously variable transmission in tractors in 1995 with the launch of the Fendt 926 Vario. While the Vario CVT had a high degree of automation to control the interaction of engine and transmission, Fendt engineers then went beyond the CVT to solve the needs of how to deliver traction efficiently between tractor wheels and the ground, while integrating the transmission with four-wheel-drive tractors.

That next generation of the groundbreaking CVT solution was introduced in 2014 as Fendt VarioDrive, the unique, continuously variable drivetrain that goes beyond a CVT to a system that involves the whole drivetrain, including the axles and the 4WD system. VarioDrive allows operators of Fendt 800 Vario Gen5 tractors to enjoy smooth, seamless, dynamic driving at any speed, from 65 feet per hour to 31 mph, while delivering maximum tractive power on any surface.



Efficient power to the ground

VarioDrive's unique hydrostatic and mechanically power-split transmission has one hydraulic pump and two hydraulic motors. With independent motors for front and rear axles, the torque vectoring of the VarioDrive drivetrain puts the power exactly where you need it automatically. With VarioDrive, the 4WD is fully automated—on and ready to perform—allowing you to concentrate on your work and never again forget to turn on the 4WD before a critical situation. Variable 4WD is possible up to 15 mph, and since there is no fixed drive ratio, the front-wheel drive actively pulls the tractor into a curve, reducing the turning radius in the field by up to 10%. Additionally, power transmission remains tension-free even when cornering, ensuring maximum soil protection and the best traction.

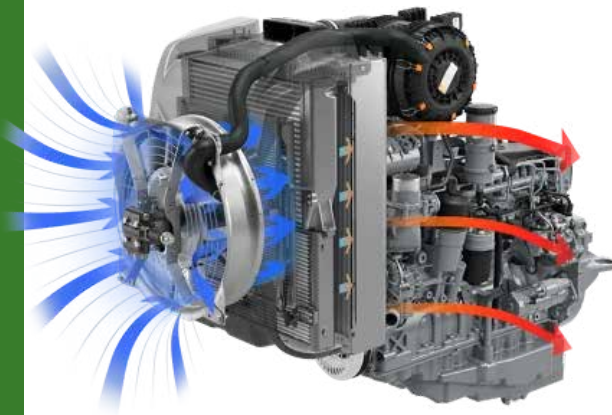
The benefits:

- easier and more precise maneuvering for headland turns
- maximum soil protection while also achieving maximum traction
- higher efficiency and optimum use of engine power, even during transport
- always in the right speed range, for less wear on the machine and the driver

PROVEN FUEL SAVER.

Fendt iD low engine speed concept

The Fendt iD low engine speed concept allows you to do more of everything, while consuming less. With an RPM band of just 700–1,700, and peak torque achieved and sustained from 1,100–1,400 RPM, you consume a lot less fuel, while covering more ground, more efficiently. Not to mention that the system also provides for an incredibly smooth and quiet operating experience and better longevity out of the engine with lower maintenance costs and less maintenance.



The proven Fendt Concentric Air System (CAS) cooling concept is now in the new Fendt 800 Vario Gen5 Series. Its forced-draft, high-performance fan cools all heat exchangers accordingly and further increases overall efficiency with an independent, hydrostatic drive. By requiring up to 40% less drive power than other cooling systems, the CAS noticeably reduces fuel consumption.



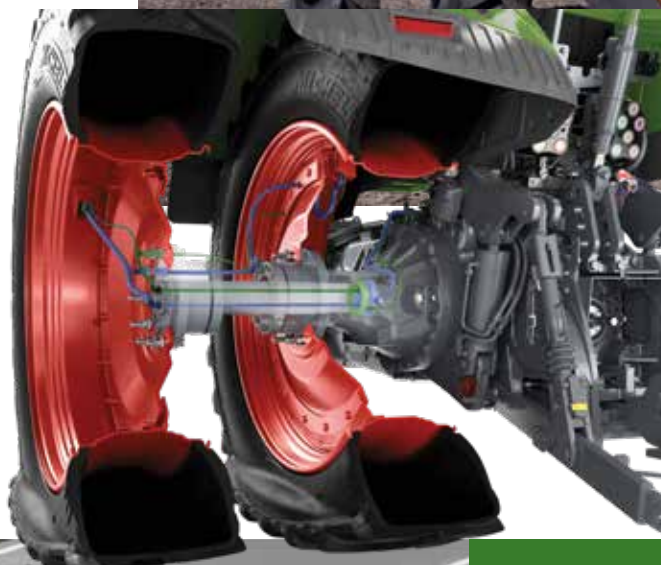
For optimum air supply even in the dustiest conditions, the self-clearing air filter system has continuous, passive dust extraction through negative pressure from the engine fan as well as active, situational clearing with short blasts of air that can be automatic or triggered at the touch of a button in the cab. This reduces maintenance and improves reliability.

MORE GRIP. LESS SLIP.

You shouldn't sacrifice soil health for machine performance, and with Fendt VarioGrip, you don't have to.

VarioGrip is an optional factory-installed tire pressure control system that allows the operator to set and control tire pressure from the FendtONE displays. This reduces compaction while in the field, improves ride quality whether roading or in the field, and reduces tire wear.

It also increases productivity. Compared to working with unadjusted tire pressure, you can achieve up to 10% more pulling power and cover up to 8% more area while using 8% less fuel.* VarioGrip is available for flange and bar axles, and multiple tire configurations.



An onboard air compressor supplies air lines that are integrated into the axle assembly to implement VarioGrip.

* Test results from South Westphalia University of Applied Sciences, Faculty of Agriculture, Soest.



Fendt Stability Control (FSC) takes steering precision, driving stability and braking performance to new levels. At speeds above 12.4 mph (20 km/h), FSC locks the front-axle suspension cylinders and dampens side-to-side movement to ensure maximum lateral stability in transport. When speeds drop below the FSC threshold, it automatically disengages to ensure maximum ground contact with all four tires.

Note: Images at left use Fendt 1000 Gen3 as example.

ULTRAVISION: TURN NIGHT INTO DAY WITH 360° LIGHTING.

With LED spotlights putting out up to a brilliant 114,700 lumens, the new UltraVision lighting system offered on the Fendt 800 Vario Gen5 ensures daylight-like illumination even on the darkest nights. With this innovative 360-degree lighting concept, you can maintain a clear view of all work areas around your tractor, bringing work safety and work quality to a new level.

- With the UltraVision 360-degree lighting package, choose between eight or 12 powerful LED roof-mounted work lights.
- Add the Tech Rail mounting system to outfit pillars on the rear of the cab with four moveable UltraVision work lights as well as brackets to securely mount cameras and other accessories.
- UltraVision enables you to dim individual lighting elements from 100% to off in 20% increments. Configure lighting presets for mirroring and quick application of lighting effects.
- The Vision lighting package provides similar light output to previous halogen packages, also with choice of eight or 12 roof work lights.
- New GroundVision, included with all lighting packages, uses two LED lights in the fenders to light the hitch and front of the rear implement.



The 800 Vario Gen5 Series features new GroundVision drawbar lighting in the fenders, which perfectly illuminates the rear implement. This ensures you have the best visibility for attaching or unhooking implements and to monitor areas like a baler pick-up when working after dark.

Digital hood and rear cameras

For better views of your implements, the Fendt 800 Vario Gen5 can be outfitted with front and rear cameras. The front camera is seamlessly integrated into the design logo on the hood, while the rear camera is discreetly placed under the license plate holder. These cameras give you a full overview at all times with super-sharp, high-resolution image quality. Whether you're coupling, switching or using the equipment, you'll always have full control and complete visibility.



CUSTOMIZE. ORGANIZE. OPTIMIZE.



The new FendtONE operator environment is roomier, more comfortable and has better visibility than before. It allows you to completely customize your settings, data management and operating environment to suit your needs.

- Incorporates up to three display options, with 10-in. digital dashboard and 12-in. terminal on the armrest standard. 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.
- 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.
- New, larger compressor cooler with 3.2-gal. (12-L) capacity and a cooling range from 32° to 61° Fahrenheit. (0° to 16° Celsius).



Work has never been so comfortable

Operator comfort in the Fendt 800 Vario Gen5 starts with a choice of two suspension variants and four driver's seats, all with air-suspension and seat heating. The top premium seat remembers each operator's settings through the terminal along with multi-stage climate control and a massage function for optimum comfort and relief. We've also added the option of three ergonomically mounted footrests.

Visibility is even better with a heated front window option and wipers that create an exclusive 270° clear view on the front window and 220° on side window. Easily adjust the new rear-view mirrors with electrical control and telescoping options for no blind spots and the best overview. The cab environment protects you with new dust extraction for the cab air filter while powerful air-conditioning joins with front, right and rear sun blinds; automatic climate control and tinted rear window to keep you cool and comfortable.



Change directions in seconds with reverse drive control

With the optional reverse drive control of the Fendt 800 Vario Gen5, the entire operator's station can be rotated by 180 degrees aided by pneumatic support. Particularly practical: The operating logic automatically adapts to the new direction—so you don't have to rethink it all. The rotated operator's station is particularly advantageous for special applications such as forestry, snowblowing, silage packing or municipal work.

IT'S ALL WITHIN REACH.

As well as the familiar clover leaf operation, the multifunction joystick includes two controls for proportional valve control as well as four freely assignable white keypads.

This is where you can easily manage the usual transmission and driving functions with push buttons: including two engine speed programs, two cruise-control settings and a dial-controlled active cruise control setting.

The 3L joystick offers complete control without you having to reach over two control valves. Complex implement functions can be controlled with the optional third and fourth hydraulic circuits. The third and fourth functions are operated via the smaller, thumb joystick.

You can easily manage the air conditioning and infotainment with two dedicated dials.

Customizable terminal layout

Use the central pushdial to decide what to display on the Fendt 800 Vario. This includes four quick access keys for Back, Launchpad, Overview, Individual Operation Manager (IOM) and switching between terminal and dashboard.

Here are buttons for rear and front 3-point control, and in the middle are the five freely assignable white buttons.

In the middle operating level, from left, we have the following: engine throttle, foot pedal speed limiter, adjustment SCVs 1 through 4 (freely assignable), PTO actuation as well as front power lifts and rear power lifts.

PTO operation.

The lower control level includes the LED display for each setting. The driver immediately sees whether buttons have been reallocated by the hydraulic valve color.



HYDRAULICS AND POWER LIFTS FOR ANY JOB.



Versatile hydraulics for maximum power

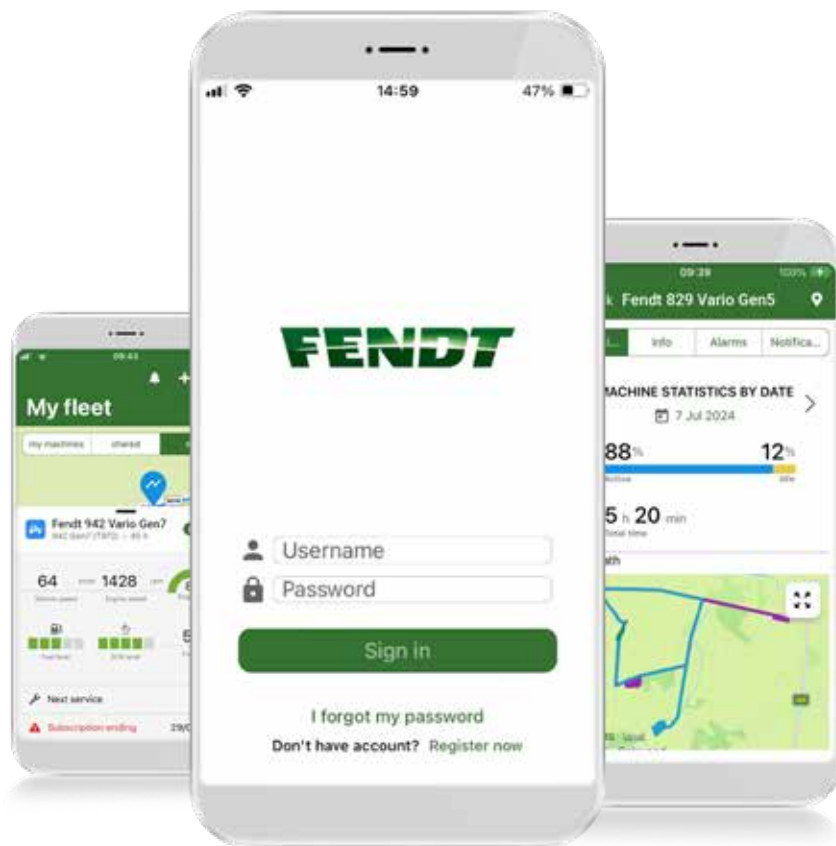
With the dual-pump, dual-circuit hydraulics option, the Fendt 800 Vario Gen5 provides up to 101.7 GPM of on-demand, dedicated hydraulic capacity completely independent from other hydraulic consumers, such as transmission or steering functions. The high and targeted flow capacity gives you the consistent supply needed to perform multiple functions simultaneously and operate the widest implements to cover more acres in a day. Time-proven color coding of all hydraulic outlets can be reassigned from the FendtONE display in the cab.



Multiple power lift options, front and back

Order your Fendt 800 Vario Gen5 with one of three options up front: comfort ballast support, front power lift with position control or front power lift with position and relief control. The rear power lift, standard on all models, achieves a high maximum lifting force at the hitch point of 19,416 lbs. (8,087 kg) and can be outfitted with a variety of coupling types with controls both in the cab and externally on both rear fenders.

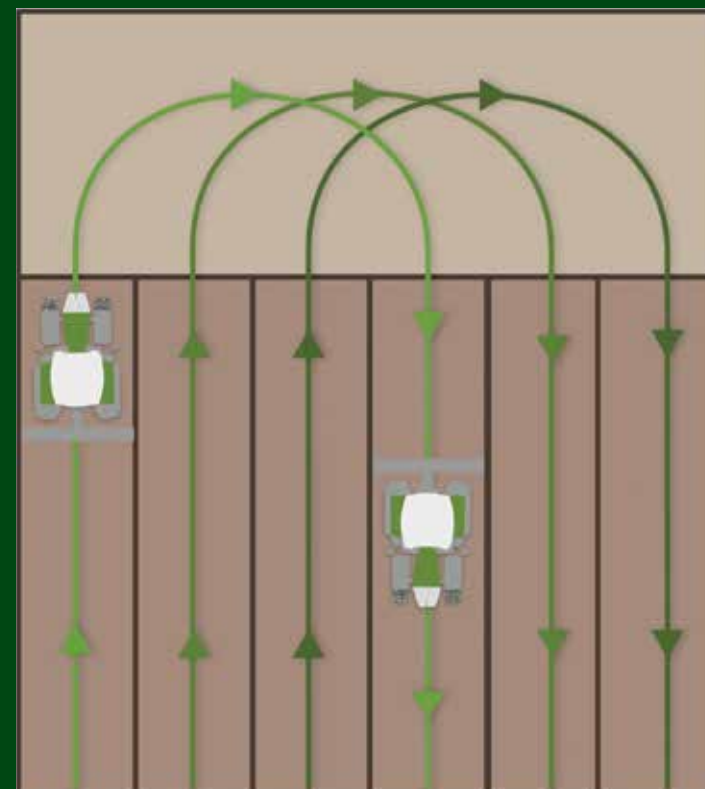
INTUITIVE, INNOVATIVE, AND INFORMATIVE.



Fendt Connect™ is like a control tower for your fleet, seamlessly linking your operators, your office and your dealer. Through one easy-to-use interface—on a smartphone, tablet or laptop—Fendt Connect provides signals that keep you connected to the field and to your dealer. Its robust data visualization that enables remote, real-time monitoring, decision-making and even diagnostics.



Select from either Trimble or NovAtel integrated receiver options and up to sub-inch accuracy. All guidance and mapping features are accomplished through the





Get ahead of the paperwork: Fendt TaskDoc

With the order-led documentation system Fendt TaskDoc®, your tractor collects all necessary data as you work. You can then transfer the data as a standardized file into a field map—either via a USB stick, or wirelessly over the mobile network.

Simple order management: Fendt Task Manager

With the basic agronomy package on your machine, you can create tasks on the go or from the office in just a few clicks and send them wirelessly to the machine.

Headland management made easy with Fendt TI Headland

This smart assist is a real benefit for repeat processes, especially headlands. Our Fendt TI headland management system saves you up to 1,920 daily hand movements in 160 turns. Both manually at a standstill and while driving, you can record all the functions as a sequence and save them in the terminal. Later, all it takes is a touch of a button to activate the automated sequences when entering and coming out of the headland. Work without having to reposition. Five triggers (*distance, time, front power lift, rear power lift and manual*) and 13 function groups help you control an impressive 74 functions. Shift smoothly between the individual sequence steps. Later, all it takes is a touch of a key to activate the automated sequences at the headland.

With Fendt TI Headland, in combination with Fendt Guide, position detection automatically initiates all recorded steps at the headland.



Pinpoint precision: Fendt SectionControl

SectionControl provides automated section control for ISOBUS implements. Fendt SectionControl supports up to 140 partial widths. The ISOBUS standard promises intuitive handling: The control screen automatically appears on the terminal when you connect the ISOBUS plug to the socket.



Manage your farm's workflow

PTx FarmENGAGE™ is the next generation of operations management software built to bring simplicity, connectivity and control to your entire fleet. No matter the equipment brand, FarmENGAGE empowers you to manage every aspect of your operation from the field or the office, using the machines you already own—regardless of make or model year. With powerful tools for fleet tracking, job monitoring and data management, FarmENGAGE keeps your operators productive, your equipment visible and your workflows efficient.

This platform is designed to help you focus on what matters most: getting the job done right. All Fendt 800 Vario Gen5 Series tractors come with five-year subscriptions to PTx FarmENGAGE farm operations software.



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 every 500 hours 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 800 Vario Gen5 Series tractors come with five-year subscriptions to Fendt Connect and PTx FarmENGAGE farm operations software.

*Two full 24-hour days



Gold Star+ (Optional)

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



SPECIFICATIONS

Engine	826 Vario	829 Vario	832 Vario
Rated/maximum power ECE R 120 (HP/kW)	260 / 191	290 / 213	320 / 235
Rated/maximum power with DP ECE R 120 (HP/kW)	283 / 208	313 / 230	343 / 252
PTO HP (HP/kW)	232 / 173	256 / 191	289 / 215
No. of cylinders/cooling/cylinder bore X stroke	6 @ 4.33 in. (110 mm) X 5.47 in. (139 mm)		
Displacement	483.64 cu. in / 7.926 L		
Rated engine speed	1,700 rpm		
Torque rise	24%	20%	18.5%
Tank capacities	Fuel tank: 142.65 gal / 540 L • AdBlue tank: 17.1 gal / 65 L		
Transmission / PTO			
Transmission type / model	Stepless VarioDrive Transmission / TA 250		
Speed range	Forward -- 65 ft./hr. (.012 mph) to 31 mph / 0.02 km/h to 50 km/h • Reverse -- 65 ft./hr. (.012 mph) to 20.5 mph / 0.02 km/h to 33 km/h		
Rear PTO	540 / 540E / 1,000 / 1,000E		
Front PTO option	1,000		
Engine speed for rear PTO (PTO rpm @ engine rpm)	540 @ 1,618 / 540E @ 1,405 / 1,000 @ 1,649 / 1,000E @ 1,432		
Engine speed for front PTO (PTO rpm @ engine rpm)	1,000 @ 1,647		
Power Lift and Hydraulics			
Variable-flow hydraulic pump capacity (standard)	43.6 gpm / 165 L/min		
Dual-circuit, dual-pump system capacity, Option 1	58.1 gpm / 220 L/min		
Dual-circuit, dual-pump system capacity, Option 2 (combined)	101.7 (43.6 + 58.1) gpm / 385 (165 + 220) L/min		
Max. number of valves (front/center/rear) Profi / Profi+	2 / 0 / 6		
Max. available hydraulic oil volume	22.45 gal / 85 L		
Standard control valve flow (Valves 1, 2, 5, 6)	37 gpm / 140 L/min (DUDK)		
High-flow control valve options (Valves 3, 4)	37 – 45 gpm / 140 – 170 L/min (DUDK)		
Continuous rear power lift capacity	19,416 lbs / 8,807 kg		
Max. front power lift capacity (at the coupling point)	11,685 lbs / 5,300 kg		
Electrical Equipment			
Batteries	1 / 2 *		
Battery power	180 Ah / 12 V		
Alternator	14 V / 250 A		
Weights / Dimensions			
Empty weight (base tractor with cab, full tanks, no driver)	21,825 lbs / 9,900 kg		
Max. permissible overall weight	38,581 lbs / 17,500 kg		
Max. permissible front axle load	16,093 lbs / 7,300 kg		
Max. trailer hitch drawbar load	4,409 lbs / 2,000 kg		
Overall length	222.4 in / 5,650 mm		
Track width rear	60 in / 1,524 mm		
Max. ground clearance	24.25 in / 616 mm		
Wheelbase	118.9 in / 3,020 mm		

* When ordering with M038 Values subject to change.

FENDT



FENDT
800 VARIO GEN5 SERIES



AGCO ANSWERS
(877) 525-4384 AGCOanswers@AGCOcorp.com

AGCO may at any time, and from time to time, for technical or other necessary reasons, modify any of the data, specifications or warranty of the products described herein. Some equipment shown may be optional. Attention: Photographs in this publication may show protective shields and guards open or removed for the purposes of illustration. Be certain all shields and guards are in place during operation.

© 2026 AGCO Corporation. Fendt is a worldwide brand of AGCO Corporation. AGCO®, DynamicPerformance™, Fendt®, Fendt Connect™, FendtONE™, Fendt iD™, PTX™, FarmENGAGE™, TaskDoc®, VarioDrive and VarioGrip™ are trademarks of AGCO. Bluetooth® is a trademark of Bluetooth SIG, Inc. All rights reserved.

FT26BRC004RB