

# FENDT



FENDT 1100 VARIO MT SERIES

FENDT® 1100 VARIO MT SERIES | 511 TO 673 HP

About 400 years ago, in the town of Oberdorf in the Bavarian Alps, Sylvester Fendt and his family were doing business in a BIG way. Churches and towns in the area wanted the precision-crafted BIG clocks the family made. The Fendts' uncompromising pursuit of excellence led to the creation of BIG tower clocks that were as dependable and reliable as a winter snowfall in the surrounding German mountains.

The family's transition from a waning market for church clocks to the initial stages of the mechanization of farming began at the dawning of the 20th century. A self-propelled grass mower gave way to small tractor designs. In the 1930s, the Fendt family was responsible for BIG changes in the agricultural industry. Direct descendants of Sylvester developed the first six-HP Dieselross tractor. Its clever design allowed farmers to save BIG time and energy by accomplishing in a single day what had taken a week's worth of manual labor.

Fast-forward to today and another BIG event in the history of Fendt: The Fendt 1100 Vario MT, a BIG deal in many ways. It's the first track tractor in North America with the Fendt name on it. And the BIGGEST we've ever offered. It's BIG on continuing Fendt's long tradition of innovative technology and industry firsts too. Like stepless VarioDrive transmission, cab suspension, CAN Bus technology, trac system, Fendt iD low-engine-speed concept, and more. Plus, efficiency, dependability, incomparable cab comfort, and a customer-care program that reduces your downtime and helps you manage your variable expenses. All of which leads to a BIG return on your investment.

The 1100 Vario MT is a BIG addition to the tools in your shed, and a BIG addition to your productivity—something Fendt has known a lot about for hundreds of years.

**IT'S FENDT. IT'S TIME.**





# MOVE INTO THE BIG TIME.



Up to 2,300 foot pound of torque worthy of locomotive-like pulling power.

**Ideal for:** Heavy or high-speed tillage  
 Large planters and air seeders  
 Tile plows  
 Large manure tankers or drag-reel lines  
 Grain carts  
 Showing off to your neighbors

## Quick Specs and Features

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Min/Max Weight: 42,000 / 59,000 lbs. (19,051 / 26,762 kg.)

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MAN 15.2L or 16.2L, 6 cylinder, Tier 4F

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Constant engine power ECE R120: 511–673 HP (376–495 kW)

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Maximum speed: 25 MPH (40 KPH)

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Hydraulic Capacity: Std. 58 GPM (220 LPM) / Opt. 116 GPM (440 LPM)

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Rear power lift capacity: up to 20,000 lbs. (9,072 kg.)

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VarioDrive Continuously Variable Transmission (CVT)

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Track Sizes: 18"–36"

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## Fendt 1100 Vario MT in Profile

If you weren't already good at what you do, you probably wouldn't be looking at a Fendt tractor to begin with. Fendt's long-time reputation for uncompromising excellence is further enhanced by the 1100 Vario MT. Technologically advanced, relentlessly dependable, and comfortably easy to operate, the 1100 Vario MT provides a solid, reliable return on investment while minimizing downtime. The internally developed single-range VarioDrive maximizes efficiency and simplifies operation. The Fendt iD low engine speed concept allows for greater low-end torque at lower engine RPMs, which means you cover more acres but burn less fuel.

The large footprint provided by the Mobil-trac™ system reduces compaction and helps maintain track-to-ground contact, allowing an operator to run comfortably at higher speeds. That equals more work done with less fuel expense—and a greater ROI. A redesigned primary suspension and cab interior increase ride comfort over long operating hours. Combined with a standard three-year full-machine warranty PLUS all scheduled maintenance PLUS a loaner guarantee, the Fendt 1100 Vario MT delivers efficiency, productivity, fuel savings, comfort, and profitability in a track tractor bigger and better than ever.

## What makes a Fendt, a Fendt?

Two major traits stand out: efficiency and reliability. This page is full of both, and it only scratches the surface. Fendt has always been BIG on building uncompromising excellence with unmatched customer care into every machine. And with the 1100 Vario MT, your opportunity for a BIG return on investment has never been BIGGER. Your timing couldn't be better.



An incredibly smooth, quiet, high-torque-at-low-engine-speed MAN power plant drives more power to the ground. With an RPM band ranging from 1,000 to 1,700 engine RPMs, and peak torque achieved from 1,000 RPMs, the 15.2L MAN engine (1151, 1156, 1162 Vario MT) or the 16.2L MAN engine (1167 Vario MT) provides for an incredibly smooth and quiet operating experience, but with BIG torque and BIG fuel savings.

Convenient, comfortable, easy to use. A 10.4" touch screen terminal with integrated guidance, paired with a customizable multi-function joystick, puts everything you need to operate the Fendt 1100 Vario MT literally at your fingertips. The radio can be controlled via the patented steering wheel with optional radio controls.



Our patented VarioDrive continuously variable transmission now brings the same BIG, record-setting efficiencies to the 1100 Vario MT providing ease of operation with no range changes required.



The hydraulic system is fully dedicated to the implements it powers—the optional dual-pump, dual-circuit system provides up to 116 GPM of hydraulic oil flow designed to handle the largest air seeders and planters.



We want to help you control as much as you can. That's why every 1100 Vario MT comes standard with a 3-year/3,000-hour full-machine warranty, PLUS all factory recommended maintenance and a loaner guarantee. (Optional: Gold Star+ offers up to 5-year/5,000-hour coverage.)

The new 1100 Vario MT provides a ride you can't find anywhere else. It starts at the ground with our Mobil-trac system and its midwheel and track-to-track oscillation for better traction, reduced slip, and a better ride. Then from the track system to the chassis of the machine, the advanced design of suspending the hardbar from the chassis of the tractor using dual coil springs and off-road-style heavy-duty shock absorbers allows for increased oscillation of the hardbar. In addition, the two-point cab suspension system ensures that any movement, vibrations, or bumps are dampened.



# LOW REV. BIG POWER. UNCOMPROMISING PERFORMANCE AND RELIABILITY.

Productivity. That's really what you expect, isn't it? And since the 1100 Vario MT is a BIG Fendt, you expect BIG productivity, right? Well, you won't be disappointed. It starts with the power of a super-quiet MAN engine that delivers fuel-efficient, high-torque performance. Add to that a hyper-efficient VarioDrive CVT transmission that easily transfers power to the ground, minimizing slip. Add to that a hydraulically driven fan providing on-demand cooling power. So, Fendt's BIGGEST track tractor provides higher performance, less engine noise, reduced fuel costs, and extended service life.

## That's a pretty BIG deal.

- The 16.2L used on the 1167 produces up to 673 constant HP
- The 15.2L used on the 1151, 1156, and 1162 produces up to 618 constant HP
- Independent, hydraulically controlled variable fan for reduced power consumption and better cooling capacity
- 1,800+ ft. lbs. of torque created and sustained from 1,100 to 1,500 engine RPMs
- VarioDrive CVT transmission, the latest in award-winning transmission innovation, provides optimal coordination with the engine for peak performance and productivity across multiple applications
- Standard 58 GPM hydraulic system with optional dual-pump, dual-circuit system allows for up to 116 GPM of hydraulic oil flow
- Track widths available from 18" to 36" to accommodate all large draft or row crop applications



# **BIG TIME PERFORMANCE. LITTLE TIME WASTED.**

There's a new power player in the Fendt 1100 Vario MT: a stepless VarioDrive CVT. The industry's first CVT in a tractor with this level of horsepower. The VarioDrive CVT transmission allows for no range changes, optimizes engine power, and maximizes fuel efficiency. Paired together, the MAN engine and stepless CVT transmission automatically regulate and optimize the engine speed, so you get the required amount of power needed, whether you're going 65 ft/hr or 25 MPH. The tractor management system is the kind of dynamic operating experience you can only get from Fendt.

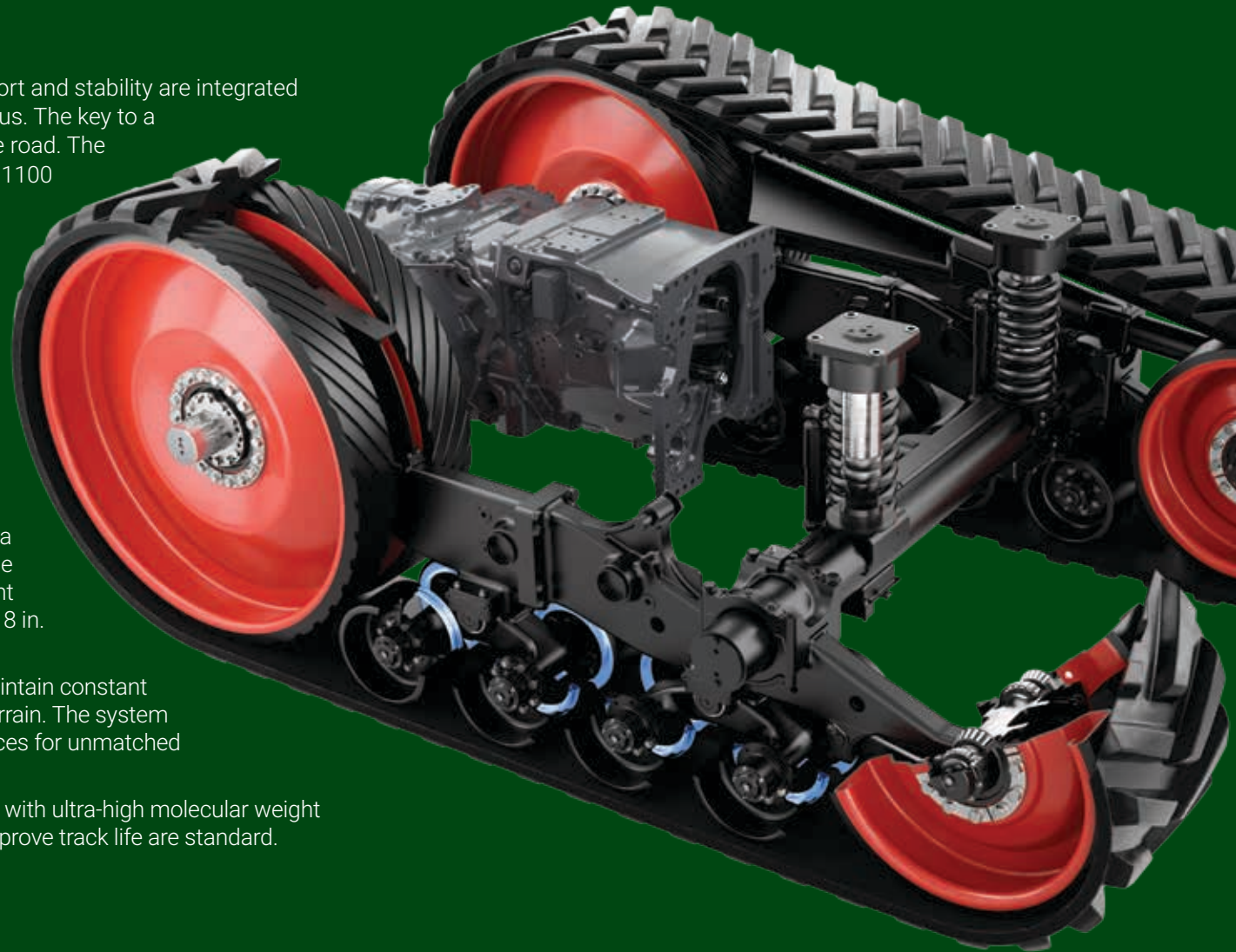
**The VarioDrive CVT transmission provides optimal coordination with the engine for peak performance and productivity across multiple applications.**



# BIG COMFORT. LESS FATIGUE.

In the field or on the road, enhanced comfort and stability are integrated into Fendt's Smart Ride and Smart Ride Plus. The key to a smooth ride is where the rubber meets the road. The legendary Mobil-trac system on the Fendt 1100 Vario MT features a long 118 in. (300 cm) wheelbase. Industry-leading pivoting midwheels keep the tracks in constant contact with the ground, resulting in better traction, more pulling ability, and a smoother ride. (A *BIG plus* for any operator.)

- The superior design of a long wheelbase with four sets of midwheels per side provides improved vehicle balance while distributing the tractor weight over a greater area, effectively reducing the deep compaction that restricts plant root growth, even with the narrow 18 in. (46 cm) belts.
- The unique pivoting midwheels maintain constant ground contact over challenging terrain. The system bridges terraces and crested surfaces for unmatched traction and ride quality.
- Fifteen in. polyurethane midwheels with ultra-high molecular weight wear rings that reduce heat and improve track life are standard.



## SMART RIDE™

In the field or on the road? Where do you want to feel most comfortable and have the most control? The Smart Ride suspension on the Fendt 1100 Vario MT handles both in a BIG way. The advanced design of suspending the hardbar from the chassis of the tractor using dual coil springs and off-road-style heavy-duty shock absorbers allows for increased oscillation of the hardbar.

- The Smart Ride system allows for 10" of hardbar suspension travel
- The left and right undercarriages move up and down independently from the tractor chassis, allowing the tractor to smoothly travel over the field and minimize compaction.

## CAB SUSPENSION

The Fendt 1100 Vario MT cab suspension consists of two rugged coil-over shock absorbers that provide a significant comfort advantage to the operator in reducing ground vibrations that would typically be transmitted by the axle during rough roading or field conditions.

- This innovative suspension allows for a full 4 in. (100 mm) of travel at the rear of the cab.



## SMART RIDE PLUS

When equipped with Smart Ride Plus suspension, the 1100 Vario MT features a load-leveling suspension system. With the push of a button in the cab, Smart Ride Plus uses hydraulic pressure in the track suspension elements to raise or lower the front of the machine. This results in better weight distribution for better traction, ride, and overall performance.



**Figure 1:** A tractor goes to work without proper tractor and implement weight distribution. This results in insufficient front weight on the tractor, and as a result increases slip.



**Figure 2:** The 1100 Vario MT with Smart Ride Plus allows for easy adjustment of the weight distribution. This results in reduced slip, improved ride comfort, and improved overall performance.

# BIG PERFORMANCE ON DEMAND. EVERY TIME YOU NEED IT.

FENDT 1100 VARIO MT SERIES



Name your implement. The Fendt 1100 Vario MT can handle it, with a hydraulic system fully dedicated to the implements it powers—something the competition can't come close to matching. With multiple hydraulic options, you can be assured of efficient operation time after time. And the unique dual-pump, dual-circuit, load-sensing hydraulic system can independently control both hydraulic pumps, ensuring the needs of even the largest implements are met. BIG power and BIG versatility allow you to do more jobs than ever.

- Two load-sensing pumps provide independent priority functions and supply each consumer with just the right amount of oil pressure and volume through each individual circuit.

**For example:** A fan on a planter requires high flow rates with low oil pressure. Other functions, such as a down-pressure system, require low flow with high oil pressure. With the dual-pump, dual-circuit system on the 1100 Vario MT, a different hydraulic oil pressure can be set for each pump, while a different hydraulic oil flow can be set for each SCV valve.

- The dual-pump system can achieve 68 GPM at 1,000 RPM or 116 GPM at 1,700, so the optimal flow is available on demand.
- Up to eight rear SCV valves are available.

# IMPLEMENT CONTROL.



*A new steerable hitch for mounted implements with automated controls unique to Fendt.*

For three-point-hitch-equipped tractors, with either standard or high-lift capacities, the hitch system was designed with the mounted implement in mind. The hitch system has auto float, fixed or offset mode, which gives the operator total control of



*Controlled drawbar with automated controls for fixed offset, offset, and float. In the terminal, you can set which mode you want the drawbar to go into. (Also unique to Fendt.)*

the mounted implement. With 12 degrees of movement in the hitch and 11.5 degrees of swing with the drawbar, the 1100 Vario MT steers effortlessly around contours and field obstacles.

# INNOVATIVE, INTUITIVE, INVIGORATING—EVEN INVITING.



Enjoy the view. And the comfort. And the fingertip control. Yeah, you're still at work. From the comfort of your air-suspended seat, you have immediate access to the cutting-edge, easy-to-operate Fendt VarioTerminal™, where everything you need to control the tractor, implements, and technology is literally at your fingertips. The multi-function armrest has simple, color-coordinated operating controls to complement the multi-function joystick. Is all this a BIG improvement over what you've been driving? This tractor is perfectly designed to be one with its operator, from the cab suspension, to the air-tight cab door enclosure.

## Other highlights include:

- Optional mechanical cab suspension to prevent bouncing, minimize vibration, and ensure maximum comfort in any conditions.
- Door and window seals precision-engineered to be absolutely uniform, keeping noise out and comfort in.

## Cab comfort and quality.

### With technology to improve your ROI.

- **VarioTerminal**—Clear, practical 10.4 in. display with full-screen, half-screen, and split-screen modes, or a four-in-one view, with each section displaying a different function; fully integrates tractor and implement controls, camera function, guidance and documentation.
- **Multi-Function Joystick**—Assign and control up to ten ISOBUS implement functions with the four-way, multi-function joystick. Includes additional operating buttons for the third and fourth auxiliary hydraulic control unit, cruise control, engine-speed memory buttons, and activation of VariotronicTI headland management.
- **Fendt Task Doc® Pro**—Quickly capture—and wirelessly transfer—data like seed quantity, fertilizer applied, or fuel consumption per acre for analysis and documentation. Record GPS position data and transfer it in near real time, enabling mapping and automated, seamless exchanges with ISOXML-compatible field files.
- **Fendt Rate Control**—Call up, visualize as applied maps, and automatically execute variable-rate application of seeds, fertilizer, and pesticides, based on agronomic needs. Plan farm inputs in field files, precisely apply them every time, and save on operating inputs.
- **Fendt Section Control**—Implements fully automatic section control, and ensures seeds, fertilizer, and pesticides are applied evenly and economically, preventing overlaps; switch up to 36 sections when operating ISOBUS-capable planters, drills, or sprayers.

# KEEPING AN EYE ON IT ALL.

**You can't be everywhere at once, right?**  
**Wrong.**

**Fendt Connect™**—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 enable remote, real-time monitoring, decision-making, and even diagnostics.

**Your Office**—See where your machines are, what they're doing, and how they're performing—in near real time or historically. From anywhere. This operational visualization enables everything from scheduling timely refueling to providing documentation for invoicing.

**Your Dealer**—When enabled, your dealer can remotely access and monitor fault codes and performance parameters, anticipating or diagnosing problems, which can speed up service, minimize downtime, and reduce cost.

**Your Operators**—Operators can focus on their task at hand, knowing both you and your dealer are practically right there with them in the cab.





**Here's the deal: You do fuel and labor.  
We'll handle the rest. (That's a BIG deal.)**

It was Sylvester Fendt and his seventeenth-century family of BIG clock artisans that started this idea of customer care second to none. There was no one that could touch their ironclad reputation for personally servicing and maintaining each clock they installed. For them, it was pride. Same goes for us today. The Fendt Gold Star maintenance, service, and warranty programs are the best in the business. The Fendt family kept clocks ticking and we keep tractors, well, tracking. But uptime all the time is only part of the plan. We 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.

**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.

**The Warranty**

Three years or 3,000 hours warranty, \$0 deductible, full-machine coverage.

**The Maintenance**

All parts and labor required to perform each factory-recommended maintenance interval during the three-years-or-3,000 hours warranty period is included with Gold Star.

**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 (*two 24-hour days*) we'll provide you with a loaner tractor. We stand by this promise for three years or 3,000 hours.



# SPECIFICATIONS

	1151	1156	1162	1167
<b>Engine</b>				
Constant power ECE R 120 at 1,700 RPM (HP ISO) (PS / kW)	511 / 376	564 / 415	618 / 455	673 / 495
No. of cylinders	6 cylinder			
Cylinder bore / stroke (in. / mm)	5.43 / 138 x 6.69 / 170			5.59 / 142 x 6.69 / 170
Displacement (in.3 / L)	927 / 15.2			998.6 / 16.2
Rated engine speed (RPM)	1,730			
Max. torque (@ 1,450 RPM) (lb./ft. / Nm)	1,844 / 2,500	1,991 / 2,700	2,139 / 2,900	2,286 / 3,100
Torque rise (based on 1,700 RPM) (%)	10	12	14	16
Diesel tank capacity (gal. / L)	350 / 1,320			
DEF capacity (gal. / L)	35.7 / 135			
Oil change interval (operating hours)	500			
<b>Transmission / PTO</b>				
Type / model	VarioDrive CVT / TA 400T			
Speed range	Forward – 65 ft./hr to 25 MPH / 20 m/h to 40 km/h Reverse – 65 ft./hr to 8.7 MPH / 0.02 m/h to 14 km/h			
Max. speed (MPH / KPH)	25 / 40			
Rear PTO	1000 / 1000E			
<b>Hydraulics</b>				
Type	Closed venter / Pressure & flow compensation			
Hydraulic pump capacity @ 1,700 RPM (GPM / LPM)	1 pump: 58 / 220 2 pumps: 116 / 439 58 / 220 + 58 / 220			
Working pressure (psi / bar)	2,900 / 200			
Hydraulic control valves – 3pt	6 standard			
Hydraulic control valves – Drawbar	4 standard & 6 or 8 optional			
<b>3-Point</b>				
Type	Steerable 3-point			
High lift capacity @ ball ends (lbs. / kg.)	20,000 / 9,072			
Standard lift capacity @ ball ends (lbs. / kg.)	15,000 / 6,800			
<b>Weights and Dimensions</b>				
Unladen weight does not include ballast weights (lbs. / kg.)*	42,000 / 19,051			
Max. permissible overall weight (lbs. / kg.)	59,000 / 26,762			
Overall length (in. / mm)	266 / 6,758			
Overall width (in. / mm)	Standard gauge: 116.1 / 2,950 / Wide gauge: 141.8 / 3,601			
Overall height (in. / mm)	148 / 3,754			
Ground clearance (in. / mm)	14.1 / 359			
Wheelbase – front idler to rear axle (in. / mm)	118 / 3,000			
<b>Electrical Equipment</b>				
Starter (V)	24			
Battery (V / Ah)	3 x 12 / 77			
Alternator (A)	325			

\* With 30" General Ag Tracks

# FENDT



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 **AGCO** | **AGCO ANSWERS**  
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