

FENDT

Fendt 1100 MT





There is only so much soil.
You can conserve it using Fendt.

The soil forms the basis of healthy crops and high yields. Managing it efficiently and with care ensures long-term economic success. In addition to efficiency and comfort, soil protection is our top priority when developing tractors. If you want the advantage of grip and soil, go for Fendt.



Achieving big things. Think Fendt 1100 MT.

Decades of experience, constant development and a continual desire to help farmers and contractors around the world to achieve maximum efficiency and performance, came together to create the Fendt 1100 MT. With its 12-cylinder AGCO Power Motor and innovative drive technology, it sets new standards in the field of power transmission and all that with full road capability.

Engine		1149 MT	1154 MT	1159 MT	1165 MT
Rated power ECE R 120	kW/hp	336/457	365/496	403/548	440/598

FENDT 1100 MT TRACK TRACTOR

Benchmarks in the field of power transmission: Track tractor.

Unique chassis for permanent best grip

The chassis is a characteristic of Fendt 1100 MT. It represents the latest expansion stage of our decades-long experience with Mobil Trac systems. Today it fulfils the fundamental ideas of achieving as much contact area as possible for the best traction and lowest soil compaction better than ever. Don't take our word for it – just look at the comparison tests for high-horsepower tractors by specialist farming equipment magazine, 'profi': No other applies more engine performance to the ground so effectively (profi 12/2016).

Robust design without compromises

The track chassis has a robust lengthwise design with rubber tracks, which are powered by fractional engagement instead of by sprockets and driving teeth. The drive wheels at the rear axle are driven by rolling tracks and have a large diameter to increase the contact area between the wheel and the track and reduce track slippage. The front guide wheels stretch the rolling tracks by pushing them forward against their inner surface. The pressure directed forwards onto the guide wheels is provided by a hydraulic cylinder and a pressure accumulator so that a rolling track tension of just 222.4 kN is generated.

Comfortably spring-mounted

Thanks to the unique suspension system integrated into the track tractor, both the drives can be adapted to the ground contours independently. The oscillating rollers press the rolling track onto the ground in order to keep the contact area as large as possible even on uneven surfaces.

Rollers with pendulum suspension

The pendulum suspension of the rollers ensures even weight distribution across the entire rolling surface in order to increase traction and enlarge the contact area. The rolling surface of the steel core has a polyethylene compound coating. The polyurethane compound, which is directly applied on the steel rolling surface of the rollers, creates an increased resistance against heat and tearing. This prolongs the service life of the rollers. The rollers are suspended via pendulum carriers, which allow the rolling track to flexibly follow the ground contours.

The large drive wheel transfers the force to the tensioned treadbar through fractional engagement.



The guide wheel is pushed against the track by the rolling track tensioner and the tension is therefore maintained.



The oscillating pivot of the rollers ensures perfect ground following and never tears up the ground.



Large trumpet housing ensures long lifetime.



Various treadbar designs* are available.

* Outside width of 3 m is maintained with the standard 698 mm (27.5") treadbar.

FENDT 1100 MT MOTOR & GEARBOX

Power and efficiency in all situations.

A one-of-a-kind motor

The Fendt 1100 MT is powered by a 12-cylinder AGCO Power diesel engine. These engines have been specially developed to meet the requirements of agriculture and are unique to tractors. The V12 delivers high torque and is extremely insensitive to engine lugging. The AGCO Power Engine has cubic capacity of 16.8 litres and is available with 457 to 598 hp rated power. The engine is more compact in terms of length and height than a 6-cylinder in-line engine. The engine noise is especially low and pleasant thanks to the more compact design. The largest and most powerful Fendt tracked tractors deliver a high torque and are extremely insensitive to high peak loads.

Clean combustion

To comply with the latest emission limits, the engine has been fitted with an cEGR system (cooled exhaust gas recirculation) to reduce AdBlue consumption. The engine runs at an injection pressure of 2000 bar, which has a positive effect on the injection precision and injection timing.

Powerful gearbox

The Fendt 1100 MT has a 16x4 full-load gearbox with Speedmatching function. The gearbox is electronically operated using a lever to the right of the operator's seat in the Tractor Management Center (TMC) armrest. The driving direction of the tracked tractor is changed by pushing the lever back and forth. For shifting up and down through all the gears, the operator must use only two push buttons. As the cast steel housing is completely integrated into the tractor structure, the gearbox serves as a rear frame for maximum strength.

Power Management automatic switching equipment

The Fendt 1100 MT features the Power Management System, which allows gears to be automatically shifted and the engine speed controlled. Two operating modes are available: "Maximum power" or "Constant speed". In the "Maximum power" mode, the tractor automatically downshifts to a high-torque gear if the engine speed falls below the optimal power range due to the load. As soon as the load reduces and the speed increases, the gear is shifted back to the original gear. In "Constant speed" mode, the operator can program a specified driving speed, which is then maintained. If this function is active, the automatic switching equipment selects a combination of engine speed and gear transmission, which keeps the target speed constant.

The two-stage turbocharging reduces the turbo lag and enhances the pre-combustion efficiency.



The iCAC intermediate radiator pre-cools the charged air, and therefore increases the torque.



The large intercooler serves as the second cooling stage, which significantly cools the inlet air and thus optimises the combustion.



Turbo charger with fixed turbine geometry and electronically-controlled wastegate provides high and long-lasting performance.



The inlet air filter with dust separation ensures fresh and clean inlet air.

Thanks to the wide-opening panels, all the components are very easy to access.

FENDT 1100 MT HYDRAULIC SYSTEM & PTO

Well-equipped for all implements.

Powerful lifting unit

A steering rear linkage can be ordered ex works for all Fendt 1100 MT tractors. This hydraulic linkage is available in category III or IV and has a lifting power of 14,000 daN on the lower links hooks on the entire stroke. The electronic control and operating elements ensure precise operation of the lifting unit.

Electronic control of lifting unit

The rear linkage is electronically operated. The electronic system modulates the hydraulic valve to lift and lower the linkage, where the driver can set different linkage parameters such as lowering and lifting speed, maximum lifting height, maximum depth, slip control and tension control. The driver adapts the EHR (electronic linkage control) to the TMC display in the cab.

Complete PTO

There is an optional 1000 PTO at the rear. Upon being switched on, the PTO reaches 1000 rpm at an engine speed of 1979 rpm. The rear PTO serves as a drive for equipment and makes the tracked tractor more versatile. A spring-operated PTO brake blocks the PTO in switched-off condition.

Powerful hydraulic system

All Fendt 1100 MTs have a closed hydraulic system (closed centre) with pressure and quantity control (load sensing), which respond quickly and allow precise control of the hydraulic equipment. The dedicated variable flow pump conveys up to 224 l/min to the spool valves and the linkage. All the hydraulic consumers are fed from the oil container situated at a higher level, which is housed in the gearbox and rear axle housing. A pump with 321 l/min capacity is available for the most challenging attachments.

Active swinging drawbar

An active swinging drawbar can be ordered for Fendt 1100 MT tractors without linkage. Two hydraulic cylinders under the tractor are connected to one of the rear control valves, and swivel the drawbar by 28° in both directions. In the process, the drawbar moves on the rollers without wearing. The drawbar can be arrested using bolts; if the control valve is switched to floating position, the drawbar can swivel freely and is damped hydraulically in the process. The active drawbar makes the tracked tractor more versatile and increases the influence of the operator.



The drawbar, steered hydraulically through 28° on each side, controls the attachments to perfection.



Whether high lifting capacity, hydraulics or PTO power is required: The Fendt 1100 MT overcomes any challenge.

FENDT 1100 MT CAB

Internal values, which will convince you.

Quiet cab

The four-post cab with rollover protection (ROPS) and steep nose hood provide an excellent view in all directions. The cab is positioned high on the chassis and is shifted to the rear of the tractor in order to optimise the view of the drawbar and work area immediately behind the tractor. The driver has an unobstructed view of wider equipment thanks to the arrangement of the rear B-column. The electrically-adjustable mirrors can all be adjusted from the cab. Independent tests confirm: The Fendt 1100 MT cab is the quietest in the high-horsepower tractor segment with 67dB (A) (profi 12/2016).

Ergonomically designed

The operator enjoys a combination of comfort and functionality inside the cab. The insulated cab and air-sprung air-ride seat makes work a pleasantly quiet driving experience and the new air conditioning system with TXV expansion valve provides the right temperature. The new sound absorber reduces noise pollution for the operator and the surroundings.

Everything under control

The Tractor Management Centre (TMC) comprises the right armrest, control elements and display and serves as the control centre of the tracked tractor. Thanks to TMC, the operator can make all the tractor settings comfortably and control nearly all the functions centrally. The TMC armrest is attached to the right of the seat and follows its movements so that the operator always has all the control elements comfortably at hand. The driving direction is determined by pulling the gear selection lever back and forth. The gears are easily shifted using push buttons on the selection lever. Clearly labelled toggle switches are available for hydraulic valves.

Information centre

The TMC display (Tractor Management Centre) is an interactive colour monitor. It provides the driver with an overview of all the important tractor data. At the same time the driver can adjust many tractor functions using push buttons and knobs while working. This way, the TMC display can communicate with the ISOBUS attachments quickly and easily and operate them. The TMC display has a connection to a rear view camera.

You can make tractor and attachment settings using the dial and buttons on the TMC display.



The optional C3000 touchscreen gives you an even better view of the guidance system.



Clearly arranged toggle switches make operation easy.



The straightforward dashboard provides an overview of numerous functions.



The efficient automatic air conditioning system provides the right temperature.

FENDT 1100 MT

Equipment in detail.



■ The 12-cylinder AGCO Power engine is extremely smooth-running and easy to access for maintenance work.



■ A fully-loaded compressed-air system is available for attached implements.



■ Halogen work lights illuminate your surroundings perfectly. An LED headlight is available on request.



■ The work surroundings are perfectly lit up in the front as well as on the side. Optional LED headlights are also available.



□ Marginal 1996 kg weight can be mounted on the front frame.



□ Six hydraulic valves, a leak-oil line connection and PowerBeyond are located at the rear.



■ There is a 12 V connection at the rear for external consumers. The ISOBUS connection establishes a connection with attachments.





FENDT SERVICES

The best product with the best care and service.

With Fendt, you get a cutting edge product that will overcome the toughest of challenges. That's why you can expect that little bit extra when it comes to services from highly-efficient, certified Fendt dealers:

- Fast lines of communication between you and our trained service team.
- 24/7 availability of replacement parts throughout the season
- 12-month warranty on Fendt original parts and their fitting

100% quality. 100% service: Fendt Services
We offer outstanding services to offer you the best possible reliability of use and efficiency from your Fendt Machine:

- Fendt Demo service
- Fendt Expert operator training
- AGCO Finance – finance and lease deals
- Fendt Care – servicing and guarantee extensions



+44 330 123 9909

Your Fendt dealers are always there when you need them, and have just one aim – to make sure your Fendt machines are ready for action at any time. If something does go wrong during harvest time, simply call your certified service centre 24/7 on the emergency hotline.

FENDT SERVICES

Rest assured that your machine will be ready for action tomorrow.

Fendt Demo service

Is this a new purchase? You'll love our Fendt solutions and overall efficiency. Let the Fendt Demo service make the decision easier.

Fendt Expert operator training

We help you get the most out of your vehicle. With the help of our exclusive Fendt Expert operator training programme, you can optimise the efficiency of your Fendt even further, and get to know all the functions to make your daily routine that much easier. Our team of professional trainers will advise you on how to use your Fendt machine to its full potential.

Individual finance and lease models

Investing in technology means a considerable capital outlay. A credit finance agreement from AGCO Finance offers attractive conditions and flexible terms. From the initial down payment to monthly instalments to the payment term – you set the general terms on which to finance your Fendt. If you need additional resources in a hurry or want to use tractors over a long-term period without purchasing them, your Fendt dealer can offer the ideal solution with tailored lease packages.

Fendt Care – servicing and guarantee extensions

To keep your machine ready for action at any time, we offer a tailored maintenance and repair service beyond the statutory warranty. This only covers the repair risk of a new machine for the first 12 months after delivery. That's where Fendt Care comes in. With flexible durations and flexible rates with and without excess, the machine can be guaranteed even after the first year. Your Fendt dealer will only install Fendt original parts. These have a proven standard of quality and are safety-tested. This ensures the best value retention for your Fendt machine.

Using the smartphone app "AGCO Parts Books to go", you can find Fendt spare parts quickly and easily and order them directly. The app is available for download in the app store and in the Google Play Store. Your personal access data is available from your Fendt dealer.



Full control over costs and planning reliability

Fendt Care	Bronze	Silver		
Service	Regular maintenance, fixed maintenance costs	Cover against the risk of repair (excludes wear)		
Benefits	Reliability of use	Coverage against major damage	Full coverage under great conditions	Full protection while you keep costs under control
Regular maintenance	✓	✓	✓	✓
Repair costs		✓	✓	✓
Excess		€490	€190	€0



8 years / 10,000 operating hours

With our new Fendt Care rates, Fendt offers extensive coverage for the reliability and repair risk of new machines. Fendt Care gives you complete cost control with exceptional service. From a service agreement to the full carefree package including replacement machine, Fendt has a flexible and tailored solution for your fleet.

FENDT 1100 MT

Quick and simple servicing.



The large cooler units are easy to clean.



Four maintenance-free batteries supply power in the Fendt 1100 MT.



A compressed air connection is located at the front to clean the radiator.



The pressure connections to tension the tracks are easy to access.

Fendt extras.



Fendt extras are a great addition to your Fendt machine. Choose from an extensive range of products including lubricants, AdBlue, care kits, cab accessories and much more. All extras are available for purchase exclusively from your Fendt dealer.



FAQS. EVERYTHING ABOUT FENDT.

What can we do for you?

What makes Fendt Services different?

For us, service means knowing and understanding your work in order to meet your demands for reliability and safety and to act in your economic interest. We stand behind our products and have developed them for the highest demands and long-term operation. Our service is the partnership aspect for your work.

How do I get a software update?

Fendt software is update-compatible, so your Fendt always features the latest technology. This ensures that your Fendt machine is technologically advanced, that it maintains its value, and keeps your investment as up to date in the future as it was on the first day you bought it. Contact your Fendt dealer for details.

What is Fendt Expert?

Become an expert on the Vario Profi with Fendt Expert driver training: Are you already familiar with all the functions that the technology has to offer? Take advantage of the technology in every Fendt Vario and learn how to make best use of every feature, with Fendt Expert. Our team of professional trainers will advise you on how to use the full potential of your Fendt tractor. Contact your dealer for details and register today.

fendt.com

Find everything online – from brochures to technical specifications, from reports about customers or our company to our Fendt event calendar.

Fendt Configurator

With the Fendt Vehicle Configurator, you can choose from all the available equipment variations and put together the optimally equipped vehicle for your farm. The Fendt Configurator is available online at www.fendt.com, where you will find a quick link to it directly on the start page.

fendt.tv

24/7 Fendt – You can, with our multimedia solutions. Our Internet TV provides you with news and information about Fendt 24/7.

Test drives

Go to fendt.com and select "Fendt Services" on the "Service" page, select the "Demo Service", then register for a test drive with the tractor of your choice.



Standard and optional equipment
 Standard: ■
 Optional: □

FENDT 1100 MT

Equipment variants.

Engine	
Engine pre-heating	<input type="checkbox"/>
Preheater unit (engine, transmission oil)	<input type="checkbox"/>
Transmission	
Cruise control	<input checked="" type="checkbox"/>
Vario operation	
Ready for automatic steering system	<input checked="" type="checkbox"/>
Cab	
Comfort cab	<input checked="" type="checkbox"/>
Instructor seat	<input checked="" type="checkbox"/>
Height and tilt-adjustable steering column	<input checked="" type="checkbox"/>
Heating with stepless fans	<input checked="" type="checkbox"/>
Air-conditioning	<input checked="" type="checkbox"/>
Integrated automatic climate control	<input type="checkbox"/>
Roller shade rear	<input type="checkbox"/>
Roller shade right	<input type="checkbox"/>
Parallel wipers front	<input checked="" type="checkbox"/>
Rear window wash/wipe	<input checked="" type="checkbox"/>
Ext. rearview mirror, electrically adjustable, heated	<input checked="" type="checkbox"/>
Radio CD MP3	<input type="checkbox"/>
Radio CD MP3 hands-free speaking system	<input type="checkbox"/>
Radar sensor	<input checked="" type="checkbox"/>
Lighting	
Halogen headlights	<input checked="" type="checkbox"/>
Rear working lights	<input checked="" type="checkbox"/>
Work lights A-pillar	<input checked="" type="checkbox"/>
A-pillar LED work lights	<input type="checkbox"/>
Roof rear LED work lights	<input type="checkbox"/>
Roof front LED work lights	<input type="checkbox"/>
LED rotating beacons	<input checked="" type="checkbox"/>

Chassis	
Infinite track adjustment	<input checked="" type="checkbox"/>
Conveyor with standard design	<input checked="" type="checkbox"/>
Conveyor with reinforcement	<input type="checkbox"/>
Compressed air system 2-circuit system	<input checked="" type="checkbox"/>
Power lift	
Tractive power and stepless mixed control	<input checked="" type="checkbox"/>
Externally controlled rear power lift	<input checked="" type="checkbox"/>
PTO	
Rear: Flanged PTO 1000/1000E rpm	<input type="checkbox"/>
External controls for rear PTO	<input type="checkbox"/>
Hydraulics	
EHS valve actuation linear module	<input checked="" type="checkbox"/>
Up to 6 electr. proportional valves	<input type="checkbox"/>
Hydraulic power beyond connection	<input type="checkbox"/>
Unpressurised rear return flow	<input checked="" type="checkbox"/>
Double connect-under-pressure lever couplings rear	<input checked="" type="checkbox"/>
Additional equipment	
Drawbar category 4	<input checked="" type="checkbox"/>
Drawbar category 5	<input type="checkbox"/>
Front weights, various sizes	<input checked="" type="checkbox"/>
Wide vehicle marker	<input checked="" type="checkbox"/>

FENDT 1100 MT

Technical specifications.



		1149 MT	1154 MT	1159 MT	1165 MT
Engine					
Rated power ECE R 120	kW/hp	336/457	365/496	403/548	440/598
Maximum power ECE R 120	kW/hp	362/492	394/536	435/592	475/646
No. of cylinders	Number	12	12	12	12
Cylinder bore/stroke	mm	111/145	111/145	111/145	111/145
Cubic capacity	cm³	16800	16800	16800	16800
Rated speed	rpm	2100	2100	2100	2100
Max. torque at 1500 rpm	Nm	2170	2360	2600	2840
Fuel level	litres	1000.0	1000.0	1000.0	1000.0
AdBlue tank	litres	106.0	106.0	106.0	106.0
Constant power range	rpm	1500-2100	1500-2100	1500-2100	1500-2100
Transmission and PTO					
Transmission type		CAT TA22	CAT TA22	CAT TA22	CAT TA22
Top speed	km/h	40	40	40	40
Rear PTO		1000	1000	1000	1000
Engine rpm at rated speed of rear PTO (1000 PTO)	rpm	1980	1980	1980	1980
Power lift and hydraulics					
Variable flow pump	l/min	224	224	224	224
Variable flow pump option 1	l/min	321	321	321	321
Working pressure / control pressure	bar	200	200	200	200
Max. valves (front/centre/rear)	Number	0/0/6	0/0/6	0/0/6	0/0/6
Max. hydraulic oil filling	approx. litres	267	267	267	267
Max. available hydraulic oil volume	litres	120	120	120	120
Flow rate of control valves (all valves)	litres	140	140	140	140
Max. lift capacity of rear power lift	daN	14000	14000	14000	14000
Electrical features					
Max. transferable current ISOBUS socket	A	30	30	30	30
Caterpillar tracks					
Swing angle of the primary suspension	degrees	3	3	3	3
Suspension travel of the front guiding wheel	mm	150	150	150	150
Total width of driving wheel	mm	225	225	225	225
Total width of track roller	mm	224	224	224	224
Series caterpillar track		27.5" Standard AG	27.5" Standard AG	27.5" Standard AG	27.5" Standard AG
1. Optional caterpillar track		27.5" Extreme AG	27.5" Extreme AG	27.5" Extreme AG	27.5" Extreme AG
2. Optional caterpillar track*)		30" Extreme AG	30" Extreme AG	30" Extreme AG	30" Extreme AG
3. Optional caterpillar track*)		30" Extreme APP	30" Extreme APP	30" Extreme APP	30" Extreme APP
Dimensions					
Track width (for series caterpillar track)	mm	2286	2286	2286	2286
Minimum track width (for series caterpillar track)	mm	2286	2286	2286	2286
Maximum track width (for series caterpillar track)	mm	2350	2350	2350	2350
Total width for series caterpillar track	mm	3000	3000	3000	3000
Overall length**)	mm	6755	6755	6755	6755
Overall height - comfort cab	mm	3460	3460	3460	3460
Max. ground clearance	mm	460	460	460	460
Wheel base (driving wheel to the front guiding wheel)	mm	3000	3000	3000	3000
Weights					
Unladen weight (base tractor with cab - full tanks, without driver)	kg	19365.0	19365.0	19365.0	19365.0
Max. permissible overall weight	kg	27000.0	27000.0	27000.0	27000.0
Max. trailer hitch load	kg	4536.0	4536.0	4536.0	4536.0

* = Country-specific equipment / ** = For belt widths greater than 27.5" and track widths greater than 2,286 mm, the outside width of 3 m does not apply. In the case of outside widths greater than 3 m, country-specific road traffic exemptions may be required.

FENDT

It's Fendt. Because we understand Agriculture.



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 **AGCO**
Your Agriculture Company

Fendt is a worldwide brand of AGCO.
All details regarding scope of delivery, appearance, performance, dimensions and weights, fuel consumption and running costs of vehicles reflect the latest information available at the time of print. These may change by the time of purchase. Your Fendt dealer will be happy to inform you about any changes. The vehicles shown do not feature country-specific equipment.