FENDT

FENDT® 700 GEN6 SERIES | 144 to 237 HP

Power. Precision. Profitability.

Engine		714 Vario	716 Vario	718 Vario	720 Vario	722 Vario	724 Vario
Rated power ECE R 120	HP / kW	144 / 106	163 / 120	181 / 133	201 / 148	222 / 163	237 / 174

PERFECTED FOR EVERY KIND OF WORK.

The adaptable Fendt 700, ranging from 144 to 237 HP, is a powerful partner for all kinds of work—from rear- or front-mounted hay tool applications, to row crop work, to tillage or loader work, this is a tractor that won't sit still very long. A new driver's workstation sets standards in terms of functionality, customizing, and ergonomics. The new FendtONE operating philosophy is also unique, connecting your office seamlessly with your machines for the first time.

BECOME A PERFECTIONIST. WITH THE FENDT 700 GEN6.

Turn your work routine into perfection.

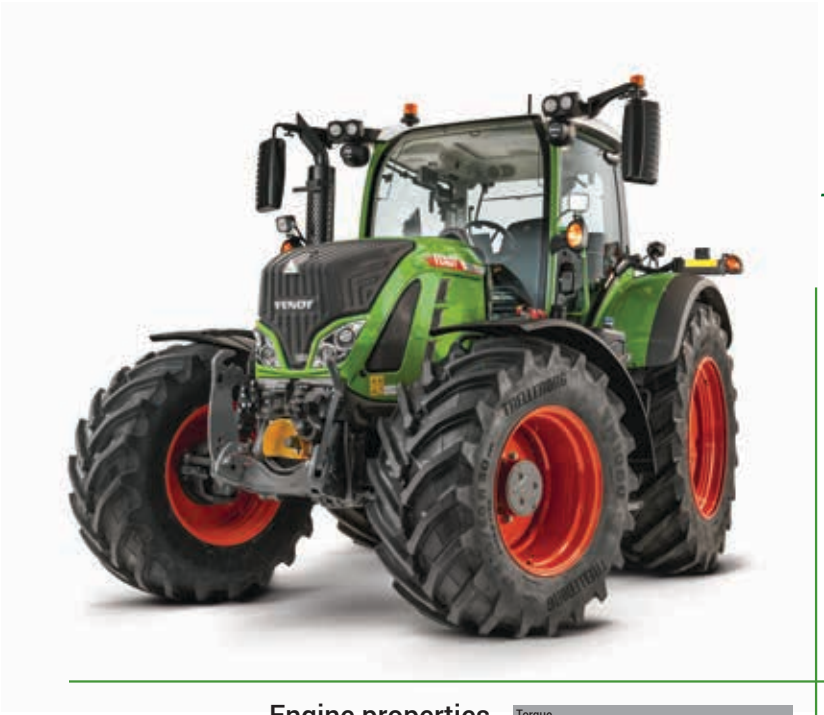
The new 700 Gen6 has it all—strength, agility, precision, reliability, functionality, and comfort.

- Power segment 144 to 237 rated HP
- Vario Continuously Variable Transmission (CVT)–60 ft. per hour to 31 MPH
- Self-leveling front-axle suspension
- Front power lift with load-relief control
- Live third front loader valve to simultaneously activate three functions
- TMS joystick or pedal modes of operation
- Automatic trailer-steering axle lock
- 100% differential locks for front and rear
- Increased lift capacity of 23,290 lbs. (10,360 daN)
- 30,800 lbs. (13,970 kg.) permissible overall weight
- Load-sensing pump with 40 GPM (152 LPM) or optional 51 GPM (193 LPM)
- Electronically selectable four-speed rear PTO—540, 540E, 1000, and 1000E
- Optional front hydraulic valves (up to two) and front 1000 PTO
- ISOBUS connections in the front and rear

Making the best even better.

The new driver's workstation creates the ultimate space for more functionality, customizing, and ergonomics.

- New armrest with familiar Fendt elements
- Incorporates up to three display options:
  - Standard 10" digital dashboard
  - Standard 12" terminal on the armrest
  - Optional secondary 12" terminal that stows into the roof liner
- Customizable terminal layout
- Redesigned multi-function joystick that is highly customizable
- Flexible key assignment with individual operation manager (IOM)
- Color-coded controls for similar functions
- Infotainment: hands-free Bluetooth® and audio control system integrated in terminals
- Four USB ports on the armrest



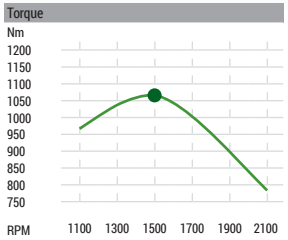
TRIED AND TESTED A THOUSAND TIMES.

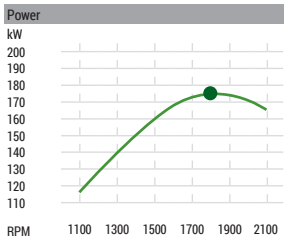
Live third front loader valve for more options

With the live third valve for Fendt Cargo front loaders, you can run up to three functions at the same time. That helps when using a grapple bucket, for example. Lower the front loader, tilt the bucket, and open the grapple at the same time.

Engine properties

The 6-liter 6-cylinder engine delivers 144 to 237 rated HP. The high-end model, the Fendt 724 Gen6, reaches its maximum torque of 790 lb./ft. (1,072 Nm) at just 1,500 RPM. That saves fuel and reduces in-cab noise levels.

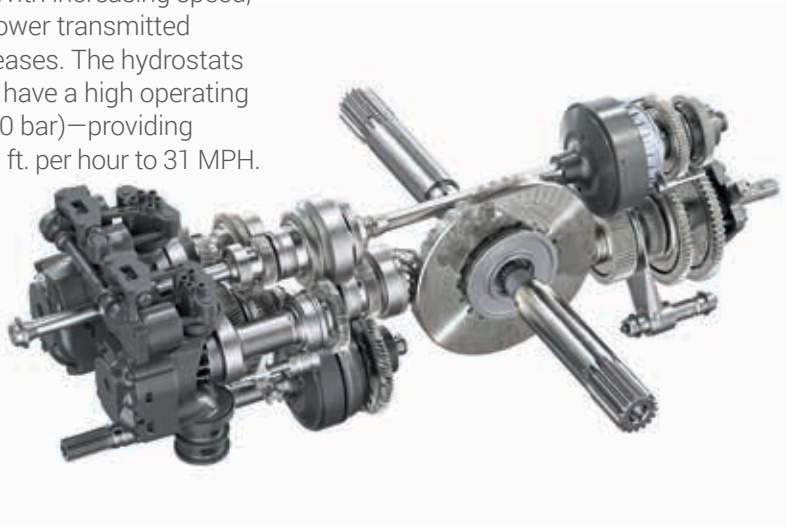




Vario transmission

The Fendt Vario CVT transmission is a hydrostatic-mechanical power split drive. With increasing speed, the share of the mechanical power transmitted through the planetary set increases. The hydrostats can be swung 45 degrees and have a high operating pressure of max. 7,977 psi (550 bar)—providing seamless acceleration from 60 ft. per hour to 31 MPH.

The transmission can be operated in joystick or pedal modes to accommodate operator preferences.



Automatic steering axle lock

The optional automatic steering axle lock automatically unlocks the steering axle at a predefined speed on trailers with self-steering axles. On straight stretches, the rigid self-steering axle ensures stable handling. Operators don't need to lock the self-steering axle manually outside of the preselected speed range or when reversing.

Comfort and stability

Race car-influenced, self-leveling front-axle suspension system, with more than 3.9" of travel, coupled with a second-to-none pneumatic cab suspension and air-ride seat, provides the sophisticated comfort of a luxury pickup truck, even in the field.

Highly adaptable

Optional 51 GPM of dedicated hydraulic capacity with up to five rear remotes.

Optional power beyond for continuous flow.

Optional front three-point PTO, and up to two hydraulic remotes for front-mounted implements.

With load-relief control, you can transfer some of the implement weight to the front axle. Fine-tune the degree of load relief with a special double-acting front power-lift valve. This ensures both the steering effectiveness of the tractor and that the front-mounted implement only applies the pressure it needs for the work it's doing.

Working smarter

TI Headland will automatically perform tractor and implement functions coming in and out of the headlands to reduce operator input.

Fendt Contour Assist enables an operator to easily switch between different wayline types that are set up for different field types and applications.

A WORKPLACE THAT FEELS LIKE HOME.

Fully equipped

So that you can work professionally and in comfort, you can design your driver's workstation on the Fendt 700 Gen6 to suit your requirements—with top priority given to ease of use.

Display options

As well as the new standard 12" terminal on the armrest, the 10" dashboard is now also digital. The genius of this is that you can view machine-related information in the field or down the road, including speed, RPMs, and operational data. For extra display space, use the 12" roof terminal. You can stow it halfway into the roof liner. Applications like the air-conditioning or the infotainment system are still shown on the lower, visible half of the terminal.

Infotainment package with sound experience

Four high-end speakers and a subwoofer deliver superior sound quality in the cab. Enjoy playback from your smartphone via USB, AUX-IN and Bluetooth. FM/AM and two antennas with permanent channel search also ensure the best radio reception. Make phone calls in your Fendt 700 Gen6 with hands-free Bluetooth, which provides fantastic quality: A total of eight microphones built into the roof liner guarantees perfect acoustics, picking up your voice every time. The controls are on the terminal
or the armrest.

Fendt Connect telemetry system

Our basic telemetry package is the best way to analyze and manage your fleet remotely. Fendt Connect™ can read, store, and analyze machine data as part of the package. That makes it easier to plan usage times and machine capacity, ultimately helping you increase the cost effectiveness of your vehicles. View machine data on your PC or smart device, including:

- Machine position and route (map view)
- Fuel consumption
- Speed
- Operating time
- Machine capacity
- Error messages
- Upcoming service intervals
- And more.

850
0.0
FENDT

TAKING USER FRIENDLINESS TO A WHOLE NEW LEVEL.

Crossgate lever / 3L joystick

There's a crossgate lever or 3L (3 Levels) joystick to control the third and fourth hydraulic control units, as well as the front loader, depending on the configuration. The 3L joystick gives you up to twenty-seven functions, split over up to three control levels. ISOBUS implements are also compatible with this. You can now use live third functionality with the 3L joystick to control three functions at once with a Fendt Cargo loader. With the additional reverse drive button, changing direction is a smooth and comfortable experience.

All under control— multifunction joystick

With its ergonomic shape and position on the armrest, you can hold the all new multifunction joystick in a relaxed position all day long. It has all commonly used controls right on the joystick, including two hydraulic controls and headland management. The joystick also has freely assignable buttons to give the driver even more flexibility.

12" terminal

Up to six freely configurable screens are shown on the standard 12" terminal. Just swipe right or left to navigate through the different screens.

Infotainment control: volume/mute, A/C control

Pushdial

The pushdial allows you to manually use the terminals instead of using touch control. You can also switch between the terminals. There are hotkeys for quick navigation.

Customizable buttons

The buttons are ready to be assigned, so you can adapt your Fendt 700 Gen6 to suit your work and have your most common actions right where you need them. A clever light system gives you a visual reminder of functions that've been reassigned to other buttons. That means you can quickly find your way around without any user errors.

Front/rear power lift control

IT'S TIME FOR A WARRANTY THAT LETS YOU HANDLE FUEL AND LABOR, WHILE WE HANDLE EVERYTHING ELSE.

GOLD STAR
CUSTOMER CARE

Nearly 400 years ago, the Fendt family not only built a reputation for fabricating precision clocks, they solidified that reputation by personally servicing and maintaining each one. Like our ancestors, we still believe a great warranty isn't a matter of profit, it's one of pride. The Fendt Gold Star maintenance, service, and warranty Program is the best in the business, with a commitment to uptime all the time. It's also a warranty designed to maintain exceptional resale value.

The warranty

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

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 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 with a loaner tractor. We stand by this promise for three years or 3,000 hours.

GOLD STAR+
CUSTOMER CARE

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.

FendtONE—SEAMLESSLY CONNECTING OFFICE AND MACHINE.

Stay connected anywhere, anytime

There's little point collecting and analyzing data unless our customers can benefit from it. With this in mind, Fendt has combined its data processing with the service work that follows.

Call up machine data from any location

Fendt Connect is the central telemetry solution for Fendt machines. With Fendt Connect, machine data is collected and evaluated, so farmers and contractors can monitor, analyze, and optimize the condition and use of their machines. Mobile data transmission means that real-time machine data can be retrieved anywhere—from the office PC, tablet, or smartphone.

Fendt Connect tells you about:

- Machine position and route
- Fuel consumption and DEF level
- Speed and working time
- Machine capacity
- Error messages
- Upcoming service intervals
- And more

Technology packages

A total of four technology packages are available, which you can select as needed:

- Guidance system
- Agronomy
- Telemetry
- Machine control

Each module includes a basic package of the startup applications you need. You can also extend the modules with optional extras.

FUSE
SMART FARMING. SYNCHRONIZED.

Whenever you buy a product or service with the Fuse logo, you can enjoy guaranteed open connectivity and compatibility within our core brand ranges as well as with other manufacturers' products. To find out more, go to ***www.FuseSmartFarming.com***.

On the machine (terminal)

Ready for the future with the new 12" terminal!
For more display space, integration, and flexibility.

TAILORED TO YOUR NEEDS.

Fendt Smart Farming Packages	Benefits	Optional
Guidance system basic package • Equips the tractor for lane guidance and the Fendt Guide application	• Even more efficient fieldwork • Indispensable for plant protection and all other fieldwork • Easy and intuitive • Field data updated and managed in one place • Less work for the driver • Less overlapping during parallel runs • Higher productivity and fuel efficiency • Full lane guidance capabilities	• Choice of different receivers (NovAtel or Trimble) • Fendt Contour Assistant • Fendt TI • Fendt TI Headland (Fendt TI Auto)
Agronomy basic package • Includes the Fendt Task Doc and Fendt Task Manager apps • Create orders and follow-up reports on the machine • Full overview of completed jobs	• Overview of tasks and jobs • Simplified documentation of jobs and fieldwork • Complete documentation of fieldwork • Ready for future reporting • Flexible data transfer: USB, Bluetooth, or mobile network	• Next Machine Management • Agrirouter
Telemetry basic package • For the best analysis and optional fleet management • Use Fendt Connect to display and store data such as machine position, fuel consumption, speed and error codes • Storage to evaluate work processes and machine condition • Data is sent via the mobile network, so you can check machine data wherever you are	• Reliable planning, with the best application windows and machine performance • Increased vehicle efficiency • Access machine data wherever you are • Simple fleet management • Avoid machine downtime by identifying error codes as soon as they appear • Improved dealership service	
Machine control basic package • Prerequisite for additional ISOBUS functions • Simple and intuitive control of ISOBUS attachments with standardized cross-vendor interface as per Standard ISO 11783 • The tractor terminal and attachment are attached using a socket at the rear	• More efficient use of the setup and resources • Better quality of work • Helps you target your work for each sub-section • Saves on pesticides, fertilizers, and seeds by targeting how you manage your work for each sub-section (VRC, SC) • Maximum range of functions to manage ISOBUS implements • Easy control of complex attachments • No additional ISOBUS hardware required for plant protection, thanks to the Fendt 3L joystick and its twenty-seven functions	• Fendt Section Control (SC) • Fendt Variable Rate Control (VRC)

MACHINE CONFIGURATIONS*

Standard and optional equipment
Standard: ■
Optional: □

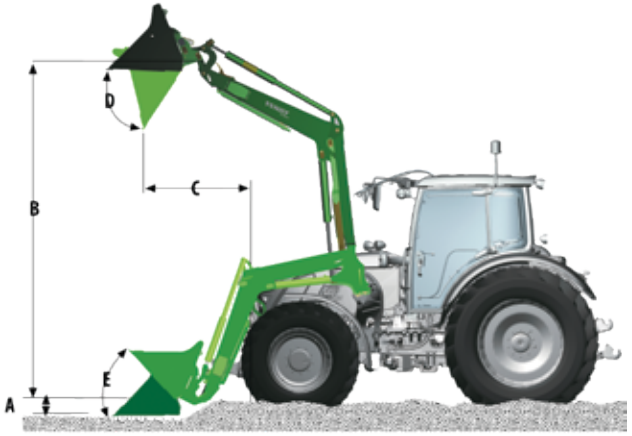
	Profi	Profi+
Engine		
Fuel pre-filter (heated)	□	□
Pre-heater unit (engine, transmission, hydraulic oil)	□	□
Exhaust brake	□	□
Transmission		
Shuttle function, stop-and-go function	■	■
Acoustic signal when reversing	□	□
Guidance system		
Guidance system basic package		■
Standard Trimble / NovAtel		□
RTK Trimble / NovAtel		□
TI Auto		□
Contour Assistant		□
Agronomy		
Agronomy basic package		■
Telemetry		
Telemetry basic package	□	■
Machine control		
Machine control basic package (ISOBUS)	■	■
Front implement control (ISOBUS)	□	□
Section Control (SC)		□
Variable Rate Control (VRC)		□
Vario operation		
Multi-function joystick with cruise control, engine speed memory, automatic modes, controls for hydraulics	■	■
3L joystick	□	□
Individual Operation Manager—flexible key assignment	■	■
Digital dashboard	■	■
12" terminal with touchscreen and key control	■	■
Second 12" terminal in roof	□	□
Fendt active steering	■	■
Electronic immobilizer	■	■
Without immobilizer	□	□

	Profi	Profi+
Cab		
Pneumatic cab suspension	■	■
Pneumatic cab suspension, 3-point with integral self-leveling	□	□
Super comfort seat 3-point belt	□	□
Comfort seat, air sprung	■	■
Super comfort seat Evolution dynamic / air compressor	□	□
Super comfort seat Evolution dynamic DuMo / air compressor	□	□
Super comfort seat Evolution dynamic DuMo leather / air compressor	□	□
Comfort instructor seat	■	■
Automatic climate control	■	■
Split windscreen and door on right	□	□
Continuous windscreen	■	■
Rear window heated	□	□
Segment wipers front	□	□
300° front windscreen wipers (with continuous windscreen)	■	■
Rear window wash/wipe	□	□
Rearview mirror and wide-angle mirror electrically adjustable, heated	□	□
Auxiliary device holder	□	□
Universal mobile phone holder	□	□
Universal tablet holder	□	□
Radio mounting kit with two stereo speakers	■	■
Infotainment package	□	□
Infotainment bundle + 4.1 sound system	□	□
4 camera connections (digital/analog)	□	□
4 USB ports	□	□
Radar sensor	□	□
Chassis		
Front axle suspension self-leveling, lockable	■	■
Steering brake	□	□
Automatic trailer-steering axle lock	□	□
Compressed-air Duomatic coupling	□	□
Power lift		
DA front power lift, with external control (separate valve)	□	□
Comfort front power lift da, with position control, external controls	□	□
Comfort front power lift da, with position control and relief control, external controls	□	□
Hydraulic lower-link lateral stabilizer	□	□
4WD / differential locks		
Rear / front differential, with 100% disc-locking and steering-angle sensors	■	■

	Profi	Profi+
PTO		
Front: 1,000 RPM	□	□
Hydraulics		
External control for hydraulic control unit at rear	□	□
Load-sensing system with axial piston pump 40 GPM (152 LPM)	■	■
Load-sensing system with axial piston pump 51 GPM (193 LPM)	□	□
Hydraulic power beyond connection	□	□
Return rear	■	■
Unpressurized rear return flow	□	□
Double connect-under-pressure lever couplings rear	□	□
CUP coupling rear	■	■
Additional equipment		
Manual hitch	□	□
Automatic trailer hitch with remote control, rear	■	■
Ball coupling, height adjustable	□	□
Ball coupling, short, in the bottom hitch	□	□
Ball coupling, long, in the bottom hitch	□	□
Hitch	□	□
Drawbar	□	□
Comfort ballast for front-end weight (not available with front power lift)	□	□
Wheel weights, rear wheels	□	□
Forced steering (one- or two-sided)	□	□
Pivoting front wheel mudguard	■	■
ABS trailer sockets	□	□
Front loader		
Front loader attachment parts	□	□
Front loader Cargo 5X/85	□	□
Front loader Cargo 5X/85 da—third valve	□	□
Front loader Cargo 5X/90 da—third valve	□	□

FENDT 700 GEN6 SERIES SPECIFICATIONS

	714	716	718	720	722	724
Engine						
Rated power ECE R 120 (HP / kW)	144 / 106	163 / 120	181 / 133	201 / 148	222 / 136	237 / 174
Maximum power ECE R 120 (HP / kW)	150 / 110	171 / 126	188 / 138	209 / 154	228 / 168	246 / 181
PTO HP (HP / kW)	110 / 82	130 / 97	145 / 108	165 / 123	185 / 138	195 / 145
Cylinders	6					
Cylinder bore / stroke (mm)	101 / 126					
Displacement in^3 / cm^3	369.6 / 6,056					
Rated Speed RPM	2,100					
Max. torque at 1,450 RPM (lb. ft. / Nm)	479.4 / 650	534.7 / 725	592.9 / 804	671.9 / 911	728.7 / 988	790.6 / 1,072
Torque rise %	43.0	40.0	39.0	39.0	39.0	38.0
Fuel Tank (gal. / L)	105.7 / 400					
DEF tank (gal. / L)	10 / 38					
Transmission / PTO						
Transmission type	ML 140	ML 140	ML 180	ML 180	ML 180	ML 180
Speed range 1 (MPH / KPH)	0.012–17.4 / 0.02–28					
Speed range 1 - reverse (MPH / KPH)	0.012–10.6 / 0.02–17					
Speed range 2 (MPH / KPH)	0.012–31 / 0.02–50					
Speed range 2 - reverse (MPH / KPH)	0.012–20.5 / 0.02–33					
Top speed (MPH / KPH)	31 / 50					
Rear PTO	540 / 540E / 1000 / 1000E					
Front PTO option	1000					
Linkage						
Type of control	Electro hydraulic					
Hydraulic remotes	Rear: 3 std. / up to 5 opt., Front: up to 2 opt.					
Hydraulic capacity (GPM / LPM)	40 / 152 std., 50 / 193 opt.					
Rear 3-point lift capacity (lbs. / kg.)	19,310 / 8,759					
Front linkage max. lift capacity (lbs. / kg.)	9,740 / 4,418					
Max. vertical hitch load (lbs. / kg.) with standard tires and 31 MPH (50 KPH)	4,409 / 2,000					
Power lift and hydraulics						
Variable-flow pump (GPM / LPM)	40.1 / 152					
Variable-flow pump optional (GPM / LPM)	51 / 193					
Working pressure / control pressure (psi / bar)	2,900 + 290 / 200 + 20					
Max. valves (front / center / rear)	2 / 0 / 5					
Max. available hydraulic oil volume (gal. / L)	16.9 / 64					
Max. lift capacity of rear power lift (lbs. / daN)	23,303 / 10,360					
Max. lift capacity of front power lift (lbs. / daN)	9,932 / 4,418					
Dimensions and weights						
Overall length (in. / mm)	213.4 / 5,240					
Overall width with standard tires (in. / mm)	100.4 / 2,550					
Wheelbase (in. / mm)	109.6 / 2,783					
Unladen weight (base tractor w/cab, full tanks, no driver) (lbs. / kg.)	17,052 / 7,735		17,174 / 7,790			
Max. permissible overall weight (lbs. / kg.)	27,557 / 12,500		30,864 / 14,000			
Electrical equipment						
Battery (V / Ah)	12 / 180					



Loader specifications

Model	5X/85	5X/90
A Digging depth in.	9.8	9.8
B Lifting height in.	177	177
C Dumping distance in.	73.6	73.6
D Angle of emptying	55°	55°
E Angle of backward tilt	48°	48°
Lift capacity over full height lbs.	5,845	6,632
Maximum lift capacity lbs.	6,744	7,778

FENDT

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FENDT 700 GEN6 SERIES

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