



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



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.

PERFECTED FOR EVERY KIND OF WORK.

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



range or when reversing.



Highly adaptable

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 powerlift 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.



TRIED AND TESTED A THOUSAND TIMES.



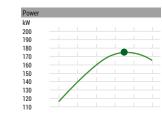
Live third front loader valve for more options

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.

Vario transmission

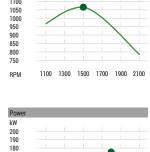
The Fendt Vario CVT transmission is a hydrostaticmechanical power split drive. With increasing speed, the share of the mechanical power transmitted through the planetary set increases. The hydrostats can be swung 45 degrees and have a high operating pressure of max. 7,977 psi (550 bar)—providing seamless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

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

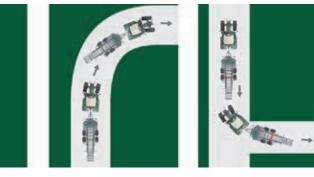


Engine properties

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



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



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.



- 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



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

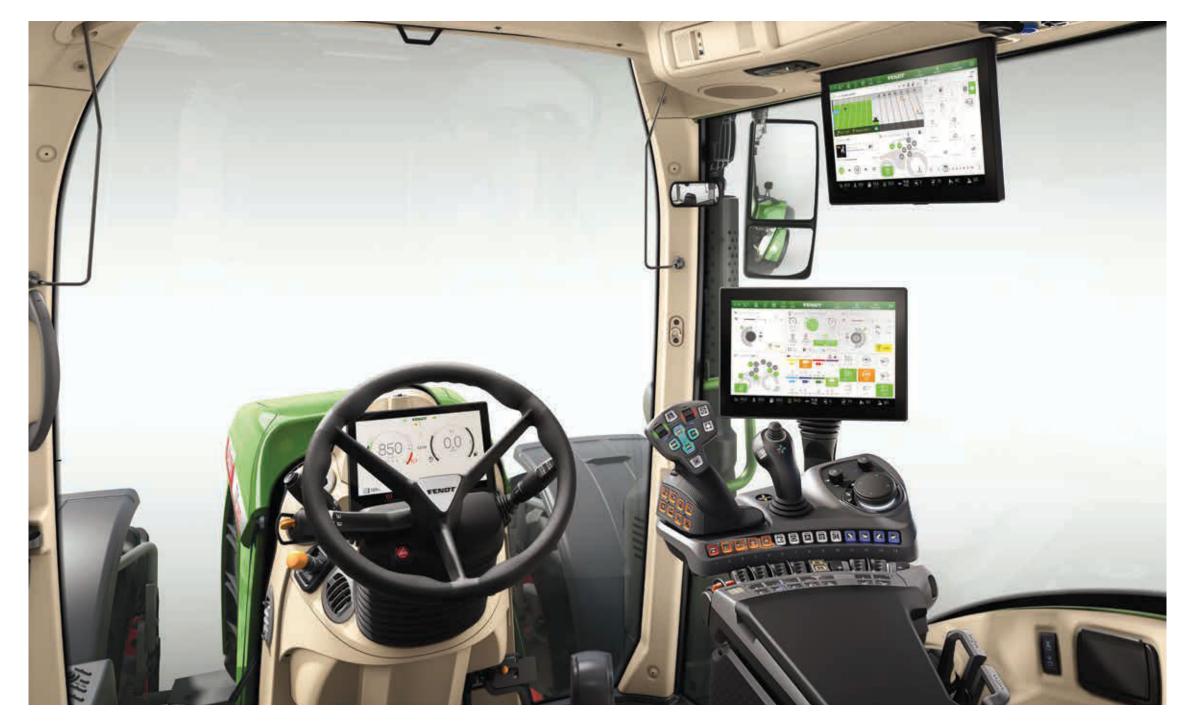
built into the roof liner guarantees perfect acoustics, picking up your voice every time. The controls are on the terminal

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.



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 controlmultifunction 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





700 GEN6 SERIES

FENDT

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



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+ (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 anywherefrom the office PC, tablet, or smartphone.

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Fendt App

270 hours

Marchines 10

() TNS Fendt 936

() TNS Fendt 828

U TNS Fendt 718 -1

() TNS Fendt 718 - 2 925 ----

Q

A 330h

A 605h

-31h

-328h

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.



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.

ONBOARD

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*

Profi Profi+

Standard and optional equipment Standard: ■ Optional: □

optional.

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	

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	
egment wipers front	
800° front windscreen wipers (with continuous windscreen)	
Rear window wash/wipe	
Rearview mirror and wide-angle mirror electrically adjustable, heated	
Auxiliary device holder	
Jniversal mobile phone holder	
Jniversal tablet holder	
Radio mounting kit with two stereo speakers	
nfotainment package	
nfotainment bundle + 4.1 sound system	
4 camera connections (digital/analog)	
4 USB ports	
Radar sensor	

Chassis

Glidssis	
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

РТО

Front: 1,000 RPM

Hydraulics

Profi Profi+

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

Engine

Profi Profi+

 Rated power ECE R 120 (HP /

 Maximum power ECE R 120 (HP /

 PTO HP (HP / kW)

 Cylinders

 Cylinder bore / stroke (mm)

 Displacement in³ / cm³

 Rated Speed RPM

 Max. torque at 1,450 RPM (Ib.

 Torque rise %

 Fuel Tank (gal. / L)

 DEF tank (gal. / L)

Transmission / PTO

Transmission type Speed range 1 (MPH / KPH) Speed range 1 - reverse (MPH Speed range 2 (MPH / KPH) Speed range 2 - reverse (MPH Top speed (MPH / KPH) Rear PTO Front PTO option

Linkage

Type of control Hydraulic remotes Hydraulic capacity (GPM / LPI Rear 3-point lift capacity (lbs. Front linkage max. lift capacit Max. vertical hitch load (lbs. / with standard tires and 31 MP

Power lift and hydrau

Variable-flow pump (GPM / Li Variable-flow pump optional Working pressure / control pre Max. valves (front / center / r Max. available hydraulic oil vo Max. lift capacity of rear powe Max. lift capacity of front pow

Dimensions and weigh

Overall length (in. / mm) Overall width with standard tin Wheelbase (in. / mm)

Unladen weight (base tractor w/cab, full tanks Max. permissible overall weig

Electrical equipment

Battery (V / Ah)

I GENU SENIE	SSPECI	ICATION	13					
	714	716	718	720	722	724		
P / kW)	144 / 106	163 / 120	181 / 133	201 / 148	222 / 136	237 / 174		
(HP / kW)	150 / 110	171 / 126	188 / 138	209 / 154	228 / 168	246 / 181		
	110 / 82	130 / 97	145 / 108	165 / 123	185 / 138	195 / 145		
	6							
)			101,	/ 126				
	369.6 / 6,056							
	2,100							
(lb. ft. / Nm)	479.4 / 650	534.7 / 725	592.9 / 804	671.9 / 911	728.7 / 988	790.6 / 1,072		
	43.0	40.0	39.0	39.0	39.0	38.0		
	105.7 / 400							
			10 / 38					
	ML 140	ML 140	ML 180	ML 180	ML 180	ML 180		
)	0.012-17.4 / 0.02-28							
PH / KPH)			0.012-10.6	5/0.02-17				
)			0.012-31	/ 0.02-50				
PH / KPH)			0.012-20.5	5 / 0.02-33				
			31 /	/ 50				
			540 / 540E /	1000 / 1000E				
			10	00				
	Electro hydraulic							
	Rear: 3 std. / up to 5 opt., Front: up to 2 opt.							
_PM)	40 / 152 std., 50 / 193 opt.							
os. / kg.)	19,310 / 8,759							
city (lbs. / kg.)			9,740	/ 4,418				
s. / kg.) MPH (50 KPH)	4,409 / 2,000							
ulics								
(LPM)			40.1	/ 152				
I (GPM / LPM)				193				
pressure (psi / bar)			2,900 + 290					
/ rear)								
volume (gal. / L)		2 / 0 / 5 16.9 / 64						
wer lift (lbs. / daN)	23,303 / 10,360							
ower lift (lbs. / daN)	9,932 / 4,418							
ghts								
			213.4	/ 5,240				
tires (in. / mm)	213.4 / 5,240 100.4 / 2,550							
109.6 / 2,783								
ıks, no driver) (lbs. / kg.)	17,052	17,052 / 7,735 17,174 / 7,790						
eight (lbs. / kg.)	27,557 / 12,500 30,864 / 14,000							
			12 /	180				
	, 100							



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







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