

Fendt 700 Vario





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

Perfected for every kind of work.

This versatile tractor, ranging from 144-237 hp, is your powerful partner for all kinds of work – from easy-going grassland work, to dynamic transport, to heavy-duty field or fleet operations. A new driver's workstation sets standards in terms of functionality, customising and ergonomics. The new FendtONE operating philosophy is also unique, connecting your office seamlessly with your machines for the first time.

Turn your work routine into perfection.

The new 700 Vario has it all – strength, agility, precision, reliability, functionality and comfort.

- Power segment 144 to 237 hp
- Self-levelling front axle suspension
- Front power lift with load-relief control
- Third Front loader valve to simultaneously activate 3 functions
- TMS pedal mode that adjusts deceleration by detecting thrust
- Automatic trailer steering axle lock
- 100% differential locks for front and rear
- Increased lift capacity of 10,360 daN
- 14 t permissible overall weight
- High payload of up to 6,200 kg
- Load-sensing pump with 109 l/min as standard, and an optional 152 l/min or 193 l/min.
- 4-speed rear PTO
- 1000E economy PTO
- ISOBUS socket in the front and rear





Become a perfectionist. With the Fendt 700 Vario.

Making the best even better.

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

- New armrest with familiar Fendt elements
- Incorporates up to 3 display options:
- Digital dashboard
- 12" terminal on the armrest
- Additional terminal stows into the roof liner
- Customise your terminals
- New multifunction joystick with even more functions
- Flexible key assignment with Individual
- Operation Manager (IOM)
- Logical colour coding
- Infotainment package
- Premium sound system
- New end-to-end operating philosophy FendtONE
- 4 USB ports on the armrest

FENDT 700 VARIO

Tried and tested a thousand times over.



Third Front loader valve for more options

With the third valve for Fendt Cargo front loaders, you can run up to 3 functions at the same time. This helps when using a round baler fork lift, for example. Lower the front loader, extend the bale forks and open them at the same time.



6

ISOBUS interfaces An ISOBUS socket is available in both the rear and front, to control ISOBUS-enabled attachments. All the controls you need are in the armrest.



Front power lift with load-relief control

With this easy-use front hitch 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 safe steering of the tractor and that the front-mounted implement only applies the pressure it needs for the work it is doing.

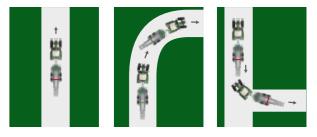
Engine properties

The 6-litre 6-cylinder engine delivers 144 to 237 hp. The highend model, the Fendt 724 Vario, reaches its maximum torque of 1,058 Nm at just 1,450 rpm. This saves fuel and cuts down the low noise levels.



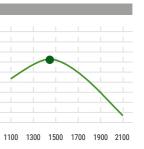
Vario transmission

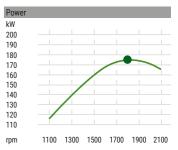
The Fendt Vario transmission is a hydrostatic-mechanical power split drive. With increasing speed, the share of the mechanical power transmitted through the planetary set increases. The hydrostats can be swung 45 degrees and have a high operating pressure of max. 550 bar this ensures exceptional efficiency.



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 do not need to lock the self-steering axle manually outside of the preselected speed range and when reversing.





FENDT 700 VARIO.

A workplace that feels like home.

Fully equipped

So you can work professionally and in comfort, you can design your driver's workstation on the Fendt 700 Vario 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 thing about this is that, in addition to regulation-compliant road data, you can also view machine-related information while you're on the field. For extra display space, use the 12" roof terminal. You can stow this one half way into the roof liner. Applications like the air conditioning or the Infotainment system are still shown on the lower, visible half of the terminal.

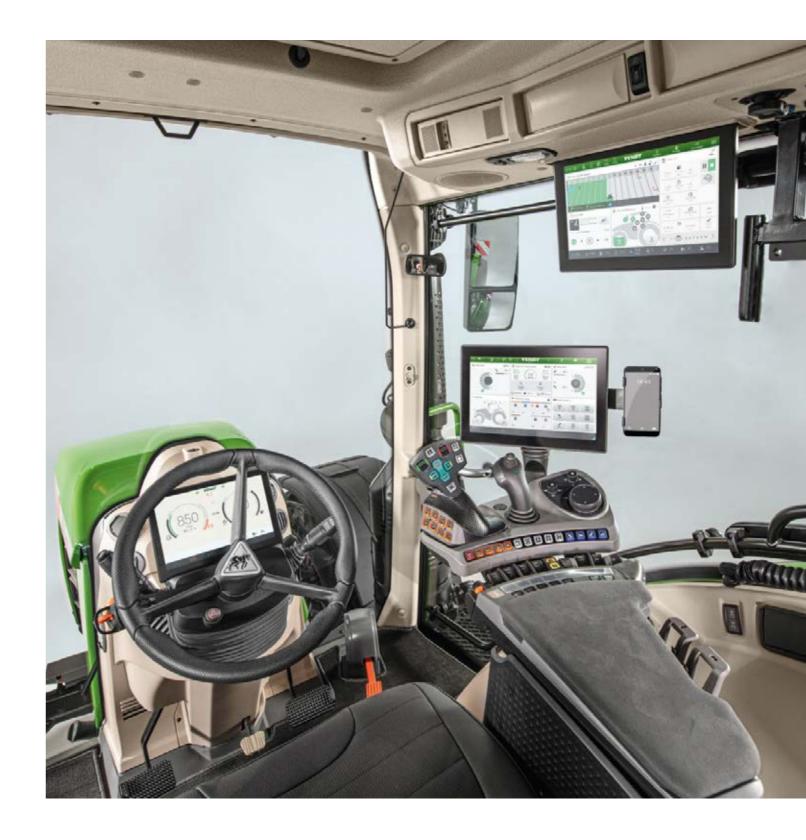
Infotainment package with sound experience

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/DAB+/HD and two antennas with permanent channel search also ensure the best radio reception. Make phone calls in your Fendt 700 Vario with a fantastic quality hands-free kit: A total of 8 microphones built into the roof liner guarantees the 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 analyse and manage your fleet. Fendt Connect can read, store and analyse machine data as part of the package. This makes it easier to plan usage times and machine capacity, which ultimately helps you increase the costeffectiveness 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.

FENDT 700 VARIO

Equipment ranges.

For the best workplace to suit your needs, we have four different equipment variants to choose from: Power, Power+, Profi, Profi+ Choose from Setting 1 or Setting 2:

Crossgate lever / 3L joystick

There is a crossgate lever or 3L joystick to control the 3rd and 4th hydraulic control units as well as the front loader, depending on the configuration. The 3L joystick gives you up to 27 functions, split over up to 3 control levels ('3L' stands for 3 levels). ISOBUS implements are also compatible with this. You can now use the 3rd valve together with the 3L joystick and the Fendt front loaders to control 3 functions at once. With the additional reverse drive button, changing direction is a smooth and comfortable experience.

12" terminal

Up to 6 freely configurable screens are shown on the standard 12" terminal.

Infotainment control: Volume/mute

Aircon control

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 the elements you are familiar with, like the 2 auxiliary control units and headland management. The control for the hydraulic valves is proportional. The joystick also has freely assignable buttons to give the driver even more flexibility.

Pushdial Use the pushdial to manually use the

terminals instead of using touch control. You can also switch between the terminals. There are hotkeys for quick navigation.

Front/rear power lift control





ENEL CARALENE

- One rocker pair (linear module)

Power Setting 1

- No crossgate lever

Power Setting 2 - Crossgate lever - No rocker pair (linear module) to control the hydraulic valves



Power+ Setting 1 - Crossgate lever - One rocker pair (linear module) to control the hydraulic valves



Power+ Setting 2 - 3L joystick - One rocker pair (linear module) to control the hydraulic valves

Gear function control

Customisable buttons

The buttons are ready to be assigned, so you can adapt your Fendt 700 Vario 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 have been reassigned to other buttons. This means you can guickly find your way around without any user errors.

Assign the functions you want (basic setting: hydraulic valve control)



Profi Setting 1/ Profi+ Setting 1

- Crossgate lever
- Two rocker pairs (linear module) to control the hydraulic valves



Profi Setting 2/ Profi+ Setting 2 - 3L joystick

- Two rocker pairs (linear module) to control the hydraulic valves

FENDT SMART FARMING

FendtONE – seamlessly connecting office and machine.



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

Consistent and intuitive operating philosophy

For the first time, the new FendtONE platform merges your machines and your office into one control unit. FendtONE combines the familiar operation of the tractor with the terminal for planning or control tasks that classically would take place in the office. You can schedule field data and orders on your computer or smart device wherever you are, and send them to your machine. The view from the driver's cab and online (from the office or on the move) is always the same. FendtONE helps you comply with legal documentation requirements and optimises your entire work processes.

Practical advantages at a glance:

- Intuitive and uniform operation (same buttons
- in the same place with the same icons)
- Centralised maintenance of master data (field data, machines, etc.)
- Easily send data to the machine terminal and vice versa - wherever, whenever.
- Open and vendor-independent system, with the option to manage mixed fleets
- Customers retain ownership of their data

OFFBOARD



Use it wherever you are, and on any device (tablet, mobile phone, PC) Seamless data transfer makes it possible to manage waylines or create orders from any location.



On the machine (terminal) Ready for the future with the new 12" terminal! For more display space, integration and flexibility

Choose from 4 modules

can select as needed:

- Guidance system

- Machine control

- Agronomy

- Telemetry

A total of 4 modules are available, which you

Each module includes a basic package of the

startup applications you need. You can also

extend the modules with optional extras.

Tailored to your needs

Fendt Smart Farming Module **Benefits** · Even more efficient field Guidance system basic package · Indispensable for plant pl · Equips the tractor for lane guidance and the Fendt Guide application Easy and intuitive Field data updated and m

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

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

Machine control basic package

 Prerequisite for additional ISOBUS functions · Simple and intuitive control of ISOBUS attachments with standardised cross-vendor interface as per Standard ISO 11783

The tractor terminal and attachment are attached using a socket at the rear



Benefits	Optional
 Even more efficient field work Indispensable for plant protection and all other field work 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 Fendt TI Headland (Fendt TI Auto)
Overview of tasks and jobs Simplified documentation of jobs and field work Complete documentation of field work Ready for future reporting Flexible data transfer: USB, Bluetooth or mobile network	Next Machine Management agrirouter
 Reliable planning, with the best application windows and machine performance Increased vehicle efficiency Access machine data wherever you are Simple fleet management Avoid machine downtimes by identifying error codes as soon as they appear Improved dealership service 	
 More efficient use of the setup and resources Better quality of work Helps you target your work for each sub-section Saves on pesticides, fertilisers 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 27 functions 	Fendt Section Control (SC) Fendt VariableRateControl (VRC)

FENDT 700 VARIO

Equipment variants.*

	Power	Power+	Profi	rofi+
Engine	Pc	Å	P	P
Fuel pre-filter (heated)				
Preheater 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 immobiliser				
Without immobilizor				

Cab		
Active charcoal filter		
Pneumatic cab suspension		
Pneumatic cab suspension, 3-point with integral self-levelling		
Super comfort seat 3-point belt		
Comfort seat, air sprung		
Super comfort seat Evolution dynamic / CA		
Super Comfort Seat Evolution dynamic DuMo/CA		
Super Comfort Seat Evolution dynamic DuMo leather / CA		
Comfort instructor seat		
Air-conditioning		
Integrated 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		
Rear view mirror and wide-angle mirror electrically adjustable, heated		
Auxiliary device holder		
Universal mobile phone holder		
Universal tablet holder		

* Please refer to the Settings for equipment variants

Without immobiliser

Power Power+ Profi Profi+

Cab		
Radio mounting kit with two stereo speakers		
Infotainment package		
Infotainment bundle + 4.1 sound system		
4 camera connections (digital/analogue)		
4 USB ports		
Radar sensor		

Chassis

Front axle suspension self-levelling, lockable		
Steering brake		
Automatic trailer steering axle lock		
Compressed air Duomatic coupling		

4WD / differential locks

Rear / front differential with 100% disc locking and steering angle sensors

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		
Electrohydraulic power lift da (EHR), with external controls		
Hydraulic lower link lateral stabiliser		

PTO Fro

ront: 1000 rpm			

Hydraulics

External control for hydraulic control unit at rear		
Load sensing system with axial piston pump (109 l/min)		
Load sensing system with axial piston pump (152 l/min)		
Load sensing system with axial piston pump (193 l/min)		
Hydraulic power beyond connection		
Return rear		
Unpressurised rear return flow		
Double connect-under-pressure lever couplings rear		
CUP coupling rear		
Bio hydraulic oil		

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		
Piton-fix		
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 4X/85		
Front loader Cargo 5X/85		
Front loader Cargo 5X/85 da - third valve		
Front loader Cargo 5X/90		
Front loader Cargo 5X/90 da - third valve		

FENDT 700 VARIO

Technical specifications.

		714 Vario	716 Vario	718 Vario	720 Vario	722 Vario	724 Vario
Engine							
Rated power ECE R 120	kW/hp	106/144	120/163	133/181	148/201	163/222	174/237
Maximum power ECE R 120	kW/hp	110/150	126/171	138/188	154/209	168/228	181/246
No. of cylinders	Number	6	6	6	6	6	6
Cylinder bore/stroke	mm	101/126	101/126	101/126	101/126	101/126	101/126
Cubic capacity	Cm ³	6056	6056	6056	6056	6056	6056
Rated speed	rpm	2100	2100	2100	2100	2100	2100
Max. torque at 1450 rpm	Nm	650	725	804	911	988	1072
Torque rise	%	43.0	40.0	39.0	39.0	39.0	38.0
Fuel level	litres	400.0	400.0	400.0	400.0	400.0	400.0
AdBlue tank	litres	38.0	38.0	38.0	38.0	38.0	38.0
Transmission and PTO							
		141 140	141 140	141 100	MI 100	MI 100	141 100
Transmission type	1 4	ML 140	ML 140	ML 180	ML 180	ML 180	ML 180
Speed range 1	km/h	0,02-28	0,02-28	0,02-28	0,02-28	0,02-28	0,02-28
Speed range 1 - reverse	km/h	0,02-17	0,02-17	0,02-17	0,02-17	0,02-17	0,02-17
Speed range 2	km/h	0,02-50	0,02-50	0,02-50	0,02-50	0,02-50	0,02-50
Speed range 2 - reverse	km/h	0,02-33	0,02-33	0,02-33	0,02-33	0,02-33	0,02-33
Top speed	km/h	50	50	50	50	50	50
Rear PTO		540/ 540E / 1000/ 1000E	540 / 540E / 1000/ 1000E	540 / 540E / 1000/ 1000E			
Front PTO option		1000	1000	1000	1000	1000	1000
Dewer life and hydroyline							
Power lift and hydraulics							
Variable flow pump	l/min	109	109	109	109	109	109
Variable flow pump option 1	l/min	152	152	152	152	152	152
Variable flow pump option 2	l/min	193	193	193	193	193	193
Working pressure / control pressure	bar	200+20	200+20	200+20	200+20	200+20	200+20
Max. valves (front/centre/rear) Power / Power Plus	Number	1/0/4	1/0/4	1/0/4	1/0/4	1/0/4	1/0/4
Max. valves (front/centre/rear) Profi / Profi Plus	Number	2/0/5	2/0/5	2/0/5	2/0/5	2/0/5	2/0/5
Max. available hydraulic oil volume	litres	64	64	64	64	64	64
Max. lift capacity of rear power lift	daN	10360	10360	10360	10360	10360	10360
Max. lift capacity of front power lift	daN	4418	4418	4418	4418	4418	4418
Tyres							
Front tyres (standard)		480/70R28	540/65R28	540/65R28	540/65R30	540/65R30	540/65R30
		580/70R38		650/65R38	650/65R42		650/65R42
Standard tyres rear			650/65R38			650/65R42	
1. Optional front tyres		540/65R30	540/65R30	540/65R30	600/65R28	600/65R28	600/65R28
1. Optional rear tyres		580/70R42	580/70R42	650/65R42	710/70R38	710/70R38	710/70R38
Dimensions							
Front track width (standard tyres)	mm	1950	1950	1950	1950	1950	1950
Rear track width (standard tyres)	mm	1920	1920	1920	1920	1920	1920
Overall width with standard tyres	mm	2550	2550	2550	2550	2550	2550
Overall length	mm	5240	5240	5240	5240	5240	5240
Overall cab height with standard tyres without VarioGuide	mm	2946	2946	3050	3050	3050	3050
Overall cab height with standard tyres with VarioGuide	mm	2980	2980	3099	3099	3099	3099
Max. ground clearance	mm	506	506	506	506	506	506
Wheelbase	mm	2783	2783	2783	2783	2783	2783
Weights							
							7980.0
-	ka	7725.0	7725.0	7700.0	7000 0		
Unladen weight (base tractor with cab - full tanks, without driver)	kg	7735.0	7735.0	7790.0	7980.0	7980.0	/900.0
Unladen weight (base tractor with cab - full tanks, without driver) Max. permissible overall weight up to 40 km/h country-specific exception approval required	kg kg	7735.0 12500.0	7735.0 12500.0	7790.0 14000.0	7980.0 14000.0	7980.0 14000.0	14000.0
Unladen weight (base tractor with cab - full tanks, without driver) Max. permissible overall weight up to 40 km/h country-specific exception							





It's Fendt. Because we understand Agriculture.



www.fendt.com

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