

# Fendt Vario



## Fendt Vario – perfection for your work



Are you looking for time and cost-saving carrier machines that offer you maximum efficiency and productivity for all operations? The Vario tractors from Fendt, featuring a continuously variable drive, are downright predestined for demanding jobs in industry, municipalities and environment. Ranging from 70 to 360 hp they offer maximum versatility over the entire year as well as low fuel consumption and long maintenance intervals for outstanding profitability. The Vario continuously variable drive technology is in operation more than 100,000 times all over the world. Benefit from the innovations and the expertise that only Fendt can offer.



Golf course maintenance  
Park maintenance  
Gardening  
Grassland maintenance  
Mowing large areas

Hedge maintenance  
Brush maintenance  
Forestry  
Wood chip production  
Shredding bushes

Transport  
Roadside maintenance  
Building construction  
Path and road construction  
Environmental technology

Winter maintenance  
Clearing and spreading  
Snow blowing  
Clearing mountain roads



<b>Fendt 200 Vario V/F/P</b>	<b>70 – 110 hp</b>	<b>51 – 81 kW</b>
<b>Fendt 200 Vario</b> <b>NEW</b>	<b>70 – 110 hp</b>	<b>51 – 81 kW</b>
<b>Fendt 300 Vario</b>	<b>95 – 125 hp</b>	<b>70 – 92 kW</b>
<b>Fendt 400 Vario</b>	<b>115 – 155 hp</b>	<b>85 – 114 kW</b>
<b>Fendt 700 Vario</b>	<b>130 – 180 hp</b>	<b>96 – 132 kW</b>
<b>Fendt 800 Vario</b>	<b>185 – 205 hp</b>	<b>136 – 151 kW</b>
<b>Fendt 800 Vario</b> <b>NEW</b>	<b>200 – 280 hp</b>	<b>147 – 206 kW</b>
<b>Fendt 900 Vario</b>	<b>220 – 360 hp</b>	<b>162 – 265 kW</b>

Maximum power acc. to ECE R24

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# Fendt Vario – profitability through year-round operations

## Mowing and maintenance

## Range



Areas of application	Implement	200 VFP	200/300	400	700/800	800	900
Golf course maint.	Reel mower	✓					
Park maintenance	Rotary and flail mower	✓	✓				
Large area maint.	Rotary and flail mower	✓	✓	✓	✓	✓	✓
Mowing edge strips	Flail mower	✓	✓	✓	✓	✓	✓



## Brush and forest

## Range



Areas of application	Implement	200 VFP	200/300	400	700/800	800	900
Hedge maintenance	Hedge trimmer on boom	✓	✓	✓	✓	✓	✓
Shredding brush	Shredder	✓	✓	✓	✓		
Forestry mulching	Forestry mulcher			✓	✓	✓	✓
Wood chip production	Wood chipper					✓	✓





## Construction and Transport

## Range

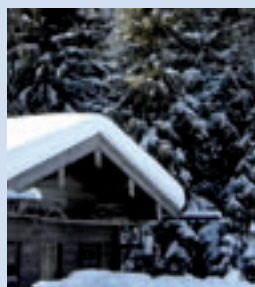


Areas of application	Implement	200VFP	200/300	400	700/800	800	900
Transport	Container flatbed, trailer	✓	✓	✓	✓	✓	✓
Heavy transport	Dump trailer, push-off trailer				✓	✓	✓
Roadside maint.	Mower, ditch cleaner, etc.	✓	✓	✓	✓	✓	✓
Soil removal	Scraper					✓	✓
Soil stabilisation	Pulvimixer					✓	✓



## Winter maintenance

## Range



Areas of application	Implement	200	300	400	700/800	800	900
Walking/biking paths	Snow plough, spreader	✓					
Parking areas	Snow plough, spreader	✓	✓	✓	✓		
Roads	Snow plough, spreader	✓	✓	✓	✓	✓	
Snow blowers (front)	Side wall cutter, cutter blower	✓	✓	✓	✓	✓	✓
Snow blowers (rear)	Cutter blower					✓	✓



## Simply Vario – logical and productive the whole year round

You can fully utilise the high performance capacity of a Fendt tractor from spring until winter. The Varios prove the advantages of the continuously variable transmission again and again: you can perform all your work highly efficiently and comfortably without ever having to use a clutch. You can further increase the profitability of the Varios with the aid of automated functions, such as cruise control or the tractor management system TMS. The Vario benefits will convince you.





## **“Fendt is profitability”**

Flexibility in operations throughout the whole year

Exceptional efficiency through optimum speed adjustment and continuously variable speeds from 20 metres per hour to 60 km/h.

Low fuel consumption

Long maintenance intervals – low maintenance costs

High resale value

## **“Fendt is innovation”**

Continuously variable Vario transmission with outstanding efficiency

Latest engine technology, which complies with the newest emissions standards

Separate oil supplies for the hydraulics and transmission permits unlimited use of bio-hydraulic oil

Wide selection of tyres for all ranges

## **“Fendt is comfort”**

Comfortable and easy controls – and you always have one hand free to operate the implements

Dynamic driving without jerking

Exceptional ergonomics and functionality in the work place

Self-levelling front axle suspension for ride comfort and driving safety

Automated functions make work easier

## **“Fendt is service”**

Individualised complete solutions through long-standing cooperation with renowned implement manufacturers

Competent customer consultations and demonstrations

Customised financing, leasing or rental offers

Comprehensive service contracts for calculable costs

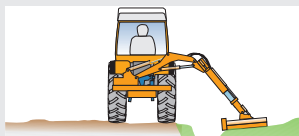


## The new 200 Vario V/F/P – big benefits on a narrow track

Mowing, maintenance and grass regeneration for

- Parks and golf courses
- Sports fields
- Large areas
- Ditches & marginal strips

with aerator, reel, rotary & flail mower



Hedge maintenance with boom trimmer



Shredding brush with shredder

Transport with

- Container flatbed
- Trailer



Roadside maintenance

- Ditch cleaner
- Branch cutter
- Brush cutter
- Washing brush
- Verge cleaning device
- etc.



Sweeping



Clearing and spreading

- Walking / biking paths
- Parking places



Snow blowing with

- Side wall cutter
- Snow cutter blower



With the new 200 Vario V/F/P, Fendt offers the first specialty tractor on the market with the continuously variable Vario transmission. Now you can also profit from continuously variable drive technology and the cutting-edge features found in large tractors in a compact and manoeuvrable Fendt in the 70 to 110 hp segment. The high efficiency and flexibility of the 200 Vario V/F/P make it a true all-rounder for maximum profitability.

<b>Fendt 207 V/F</b>	<b>51 kW</b>	<b>70 hp</b>
<b>Fendt 208 V/F</b>	<b>59 kW</b>	<b>80 hp</b>
<b>Fendt 209 V/F/P</b>	<b>67 kW</b>	<b>90 hp</b>
<b>Fendt 210 V/F/P</b>	<b>73 kW</b>	<b>100 hp</b>
<b>Fendt 211 V/F/P</b>	<b>81 kW</b>	<b>110 hp</b>

Maximum power kW/hp (ECE R 24)





- 13 models with continuously variable drive ranging from 70 to 110 hp
- Profitable year-round operations
- Maximum efficiency and area coverage thanks to optimum speed adjustment
- Perfect drive train management for low fuel consumption
- 40 km/h maximum speed at a fuel-saving 1750 rpm
- Vario TMS – the Tractor Management System keeps the engine and transmission running at an optimum
- Common rail injection with external exhaust gas recirculation
- One hundred percent use of biodiesel possible
- Powerful hydraulics
- Trouble-free use of bio-hydraulic oil

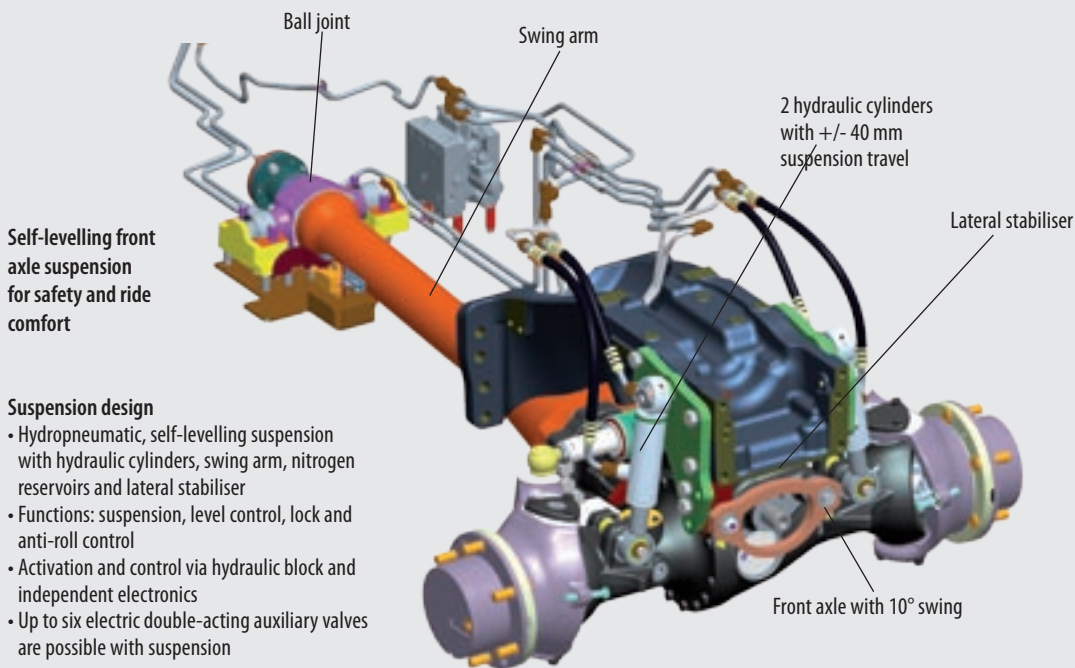
### **3 versions – the right one for your needs**

The 200 Vario tractor range comprises 13 models in three versions, so that you are sure to find the right specialty tractor to meet your individual needs. The narrowest version of the 200 V, which has an outer width of 107 cm, is ideal for work on pavements and in parks. The 200 F and P models are optimally suited for work on cycling and hiking paths.

### **More efficient work the whole year round**

Thanks to the latest technology, you can work efficiently with the 200 Vario V/F/P the whole year long. From 20 metres per hour to 40 km/h, you are always driving at the optimum speed thanks to continuously variable speed adjustment. The automatic maximum output control allows you to drive at the highest operating speed at all times. You always have one hand free for operating the implements and can control them precisely and quickly.

## 200 Vario V/F/P – has the technology of “the big ones”



The armrest folds up to expose a rotary control that selects the button assignment of the multi-function joystick.

The oil flow volume of the individual valves can be set with the rotary controls.

### Powerful hydraulics

The high-tech hydraulic system allows implements with many hydraulic connections to be connected to the tractor. The 200 Vario V/F/P can be optionally equipped with up to six electric double-acting auxiliary valves. The high volume of available oil ensures fast and precise lifting movements and accurate working results. The standard linkage permits many different kinds of implements to be mounted and speeds up implement changes.



### Stepless, compact, extremely manoeuvrable

The compactness and exceptional manoeuvrability of the 200 Varios prove to be a true advantage during all kinds of operations. Together with the continuously variable Vario transmission, this ensures maximum efficiency – areas are worked quickly, even in tight spaces. The turning radius is only 3.2 metres with 7.5 L 15 tyres. The large-sized tyres are the optimum basis for effectively protecting sensitive soil and ground.

### Smart suspension – best ride comfort

The smart combination of three systems – the optional self-levelling front axle suspension with anti-roll control, the silent bearings on the cab and active shock load stabilising – dampens uneven ground reliably and sensitively for maximum ride comfort. This significantly increases the stability of the tractor since the wheels always remain in contact with the ground. You benefit from the exceptional working results and excellent safety.



- Unparalleled operating and ride comfort
- 71 dB(A) measured at the driver's ear in the 207 Vario V
- Generous amount of space in the cab
- Suspension comfort remains constant thanks to level control
- Anti-roll control for maximum steering precision, driving stability and safe braking
- 3.2-metre (200 V, tyres 7.5L15) turning circle and 58 degree steering angle for outstanding manoeuvrability
- Vario joystick operation instead of several levers
- Height and tilt-adjustable steering wheel
- Optimum sound-proofing
- Individual tyre options



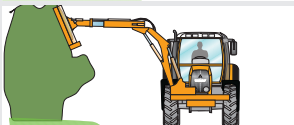





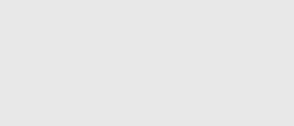
### **Operating comfort for maximum performance**

All working and control functions are integrated in the central control unit on the right-hand side. Drivers always have everything under control with only one hand. Operation is easy and intuitive so that drivers can concentrate fully on the implement and complete their job optimally. Outstanding visibility to all sides allows drivers to keep everything in view at all times.

### **Remain fit, even on long days**

In the comfort cab on the 200 Vario, drivers remain fit for best performance, even over long working periods. The powerful air-conditioning and heating system as well a low noise level in the cab provide a perfect working climate and ensure maximum comfort. The steering wheel is height and tilt-adjustable, so that every driver can find the right position.

## 200/300 Vario – stepless versatility with the compact standard tractors

<b>Mowing and maintaining</b> <ul style="list-style-type: none"> <li>• Parks</li> <li>• Large areas</li> </ul>	
<b>with</b> <ul style="list-style-type: none"> <li>• Rotary mower</li> <li>• Flail mower</li> </ul>	
<b>Hedge maintenance with boom trimmer</b>	
<b>Shredding brush with shredder</b>	
<b>Transport with</b> <ul style="list-style-type: none"> <li>• Container flatbed</li> <li>• Trailer</li> </ul>	
<b>Roadside maintenance</b> <ul style="list-style-type: none"> <li>• Ditch cleaner</li> <li>• Branch cutter</li> <li>• Brush cutter</li> <li>• Washing brush</li> <li>• Verge cleaning device</li> <li>• etc.</li> </ul>	
<b>Sweeping</b>	
<b>Clearing and spreading</b> <ul style="list-style-type: none"> <li>• Parking places</li> <li>• Municipal roads</li> <li>• County roads</li> </ul>	
<b>Snow blowing with</b> <ul style="list-style-type: none"> <li>• Side wall cutter</li> <li>• Snow cutter blower</li> </ul>	



The 200 Vario and 300 Vario ranges stand for reliability, profitability and retention of value for the compact standard tractor segment. The continuously variable Vario transmission, a low unladen weight and exceptional manoeuvrability make them especially versatile. The ingeniously simple Variostick control makes work easier for drivers.

<b>Fendt 207 Vario</b>	<b>51 kW</b>	<b>70 hp</b>
<b>Fendt 208 Vario</b>	<b>59 kW</b>	<b>80 hp</b>
<b>Fendt 209 Vario</b>	<b>67 kW</b>	<b>90 hp</b>
<b>Fendt 210 Vario</b>	<b>73 kW</b>	<b>100 hp</b>
<b>Fendt 211 Vario</b>	<b>81 kW</b>	<b>110 hp</b>

Maximum power kW/hp (ECE R 24)



- Continuously variable drive from 70 to 125 hp
- Low unladen weight of just 3870 kg (209 Vario) and 4350 kg (312 Vario)
- Maximum manoeuvrability
- 72 dB(A) measured at the driver's ear in the 200 Vario and 72 dB(A) in the 312 Vario
- 3 cylinder engine (200 Vario) or 4-valve engine (300 Vario) with common rail high-pressure injection system
- AGReX external exhaust recirculation system for the lowest possible fuel consumption and best environmental compatibility thanks to cutting-edge technology
- Broad selection of tyre options
- 500-hour maintenance interval for engine oil
- One hundred percent use of biodiesel and bio-hydraulic oil possible

### Versatile and economical

The Vario transmission offers many benefits to users. Driving without having to use the clutch or shift gears allows drivers to concentrate fully on the actual task at hand.

A fuel saving 1750 rpm at 40 km/h also reduces fuel consumption effectively and ensures high profitability. Depending on the types of operations you perform, Fendt offers you compact tractors in the appropriate power class for you.

<b>Fendt 309 Vario</b>	<b>70 kW</b>	<b>95 hp</b>
<b>Fendt 310 Vario</b>	<b>77 kW</b>	<b>105 hp</b>
<b>Fendt 311 Vario</b>	<b>84 kW</b>	<b>115 hp</b>
<b>Fendt 312 Vario</b>	<b>92 kW</b>	<b>125 hp</b>

Maximum power kW/hp (ECE R 24)

## Ingeniously simple operation – one Variostick instead of many levers

Ergonomics paired with well thought-out operating logic on the right-hand side console

Control pad for multi-display in dashboard      Comfort controls      PTO management      hydraulic flow collector      EPC settings



TMS (optional) activate / deactivate      Cruise control activation and acceleration rates      Hand throttle      Variostick      EPC power lift control

With the Variostick, you can accelerate the Vario from standstill to the desired speed steplessly. Move the Variostick in the opposite direction, and the tractor decelerates. Stepless from 0–40 km/h forward and 0–25 km/h reverse – without crawler or group gears. The key for activating the cruise control functions and selecting the acceleration rate are operated with your thumb – without having to take your hand off the Variostick. Right next to it is the hand throttle.



**Simple, logical and productive.** When developing the Vario controls, Fendt engineers placed great value on sticking to the essentials. The result is the simple and logical Variostick for exceptional productivity in the compact standard tractor class – ideal for all kinds of work throughout the year.

### Powerful in mowing operations

The compact Vario is lightweight and delivers high PTO power. That guarantees minimum damage to the soil while permitting high area coverage. To ensure that front-mounted implements are guided steadily, the distance between the front-mounted implement and the tractor has been kept small. This is possible because the front power lift and front PTO have been optimally integrated into the vehicle concept. When the front linkage is not in use, it can simply be folded up.



- Simplest operation via single-gate Variostick
- Fendt Variostick:  
You no longer need a
  - main gear lever
  - range lever
  - super creeper gear lever
- Cruise control functions
- Stepless reversing (shuttle gearbox)
- Settable acceleration ranges
- Electronic hand throttle
- Multi-display for:
  - engine speed memory
  - cruise control memory
  - automatic maximum output control
  - acceleration rates
  - fuel consumption indicator
  - Setting of 4WD and differential locks automatic
- Factory-installed TMS (optional) – the professional package for transport, winter maintenance and mowing operations incl. 4WD and differential lock automatic modes and Stop-and-Go function.

### **Vario Power in winter service**

The 200 and 300 Vario offer plenty of clearing capacity for winter maintenance work and high stability thanks to a standardised push frame. Here too, the automatic maximum output control enables clutch-free continuously variable automatic adjustment of the working speed to match the operating conditions – from 30 metres per hour to 40 km/h maximum speed. That reduces driver fatigue, especially for long-term jobs.

### **Fendt front loader Cargo**

The Fendt Cargo front loader has been specially fitted to the vehicle concept and guarantees fast and practical loading. Thanks to the Vario transmission, drivers can change direction with just one hand movement on the reversing lever. Stopping and starting up again is just as fast. The front loader, which can be mounted and removed in minutes, boasts an outstanding dumping distance.

# 400 Vario – the stepless multitalent

## Mowing and maintaining

- Large areas

with

- Rotary mower
- Flail mower



## Hedge maintenance with boom trimmer

## Forestry mulching with forestry mulcher

## Shredding brush with shredder



## Transport with

- Container flatbed
- Trailer



## Roadside maintenance

- Ditch cleaner
- Washing brush
- Verge cleaning device



## Sweeping

## Clearing and spreading

- Parking places
- Municipal roads
- County roads



## Snow blowing with

- Side wall cutter
- Snow cutter blower



The Fendt 400 Vario is the perfect all-round tractor for your work: lightweight, compact and manoeuvrable, it represents the Vario continuously variable drive in the medium horsepower range from 115 to 155 hp. The 400 Vario is designed for optimum profitability. In combination with the Vario transmission, the modern four-cylinder engines are always running in their optimum range.

<b>Fendt 411 Vario</b>	<b>85 kW</b>	<b>115 hp</b>
<b>Fendt 412 Vario</b>	<b>92 kW</b>	<b>125 hp</b>
<b>Fendt 413 Vario</b>	<b>99 kW</b>	<b>135 hp</b>
<b>Fendt 414 Vario</b>	<b>107 kW</b>	<b>145 hp</b>
<b>Fendt 415 Vario</b>	<b>114 kW</b>	<b>155 hp</b>

Maximum power kW/hp (ECE R 24)





- Continuously variable drive from 115 to 155 hp
- Max. 68 dB(A) measured at the driver's ear in the 400 Vario at 40 km/h
- Perfect control using joystick, terminal and control console
- Four-cylinder engine with 4 valves per cylinder and high pressure injection
- 50 km/h top speed at reduced engine speed (1700 rpm)
- Load-sensing hydraulic system with up to 110 l/min hydraulic oil delivery capacity
- Up to four double-acting hydraulic control units
- Trouble-free use of biodiesel and bio-hydraulic oil
- Self-levelling front axle suspension (lockable)
- Payload up to four tonnes
- Tractor Management System TMS (optional)

#### **More power with lower fuel consumption**

Long maintenance intervals, low fuel consumption and versatility in combination with the high performance delivered by the engine and transmission along with the ease of operation of the 400 Vario, all mean low costs per operating hour.

#### **Cast frame for stability**

A cast half frame carries the load on the 400 Vario (also 700, 800 Vario). The Varios have a

high payload reserve for high-level implement combinations, such as those required for mowing and winter maintenance work.

#### **Comfort is profitable**

The cab on the 400 Vario offers many premium features found in the larger Varios. These include using a joystick, Varioterminal and control console to operate the machine. All the necessary hand movements can be performed quickly and intuitively.

## 700 / 800 Vario – the workhorses in the mid-sized class

### Mowing and maintaining

- Large areas

with

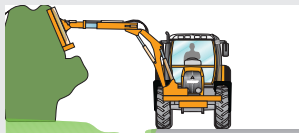
- Rotary mower
- Flail mower



### Hedge maintenance with boom trimmer

### Forestry mulching with forestry mulcher

### Shredding brush with shredder



### Transport with

- Trailer
- Dump trailers
- Push-off trailer



### Roadside maintenance

- Ditch cleaner
- Washing brush
- Verge cleaning device



### Clearing and spreading on

- Parking places
- Municipal roads
- County roads



### Snow blowing with

- Side wall cutter
- Snow cutter blower



With the Vario in the 700 and 800 ranges, you step up into the world of 6-cylinder Varios. They offer the best comfort and permit system solutions that usually require much larger machines from other manufacturers. The 712 to 718 Vario deliver 130 to 180 hp, the 800 Vario with 185 and 205 hp.

<b>Fendt 712 Vario</b>	<b>96 kW</b>	<b>130 hp</b>
<b>Fendt 714 Vario</b>	<b>107 kW</b>	<b>145 hp</b>
<b>Fendt 716 Vario</b>	<b>121 kW</b>	<b>165 hp</b>
<b>Fendt 718 Vario</b>	<b>132 kW</b>	<b>180 hp</b>
<b>Fendt 818 Vario</b>	<b>136 kW</b>	<b>185 hp</b>
<b>Fendt 820 Vario</b>	<b>151 kW</b>	<b>205 hp</b>

Maximum power kW/hp (ECE R 24)



- Six-cylinder engines with 4 valves per cylinder, 6.1 l cubic capacity
- Max. 68 dB(A) measured at the driver's ear in the 700/800 Vario at 40 km/h
- Tractor Management System TMS on 800 Vario (700 Vario optional)
- Pneumatic cab suspension with level control on 800 Vario (700 Vario optional)
- Load-sensing hydraulic system with up to 154 l/min hydraulic oil delivery capacity
- Up to four programmable electric hydraulic control units
- Integral front power lift
- Trouble-free use of RME biodiesel and bio-hydraulic oil
- EPC with shock load stabilising
- Self-levelling front axle suspension (lockable)
- High payload reserves

### Real power for the mid-sized class

Besides the flexibility a Vario provides, you can also benefit from high axle loads during universal implement operations. For efficient mowing operations, a tandem mower, for example, can be completely mounted in the front. Quick implement changes allow you to take full advantage of the many capabilities of the Varios.

### Dynamic transport







For transport, the 700/800 Varios offer a top

speed of 50 km/h and high dynamics paired with low fuel consumption. You can also count on the best traction on unpaved terrain. Depending on the requirements, the Varios can be individually equipped with different kinds of hitch systems.

### Optimum working environment

The workplace in the Vario offers well thought-out functionality and maximum ergonomics – to protect your health.

# The new 800 Vario – the next generation

Clearing large areas with • Rotary mower • Flail mower	
Forestry mulching with forestry mulcher Shredding brush with shredder	
Transport with • Trailer • Dump trailers • Push-off trailer	
Roadside maintenance • Ditch cleaner • Washing brush • Verge cleaning device	
Clearing large areas with • rotary devices • large area clearers	
Snow blowing with • rear-mounted cutter blower	



### A clear overview and practical for all operations

In the large-sized Varioterminale 10.4" you have up to four menu settings in view at once, for example the tractor and implement settings, the fuel consumption display and the camera image. User-definable screen layout. Thanks to the clear hierarchy of the multilingual menus, navigation is simple.



With the new 800 Vario compact high-horsepower models, Fendt now enters a new power class with a maximum output of 200 to 280 hp and a top speed of 60 km/h. The new vehicle concept, which includes the x5 comfort cab, completely new Varioterminale electronics and controls and AdBlue engine technology, sets completely new standards in comfort, profitability and innovation.

<b>Fendt 819 Vario</b>	<b>147 kW</b>	<b>200 hp</b>
<b>Fendt 822 Vario</b>	<b>162 kW</b>	<b>220 hp</b>
<b>Fendt 824 Vario</b>	<b>176 kW</b>	<b>240 hp</b>
<b>Fendt 826 Vario</b>	<b>191 kW</b>	<b>260 hp</b>
<b>Fendt 828 Vario</b>	<b>206 kW</b>	<b>280 hp</b>

Maximum power kW/hp (ECE R 24)



- 60 km/h transport speed at reduced engine speed (1750 rpm)
- Six-cylinder engines with a 6.06-l cubic capacity with up to 280 hp
- AdBlue technology for the lowest possible fuel consumption and best environmental compatibility
- New operating concept Variotronic with new Varioterminal
- Spacious comfort cab with best all-round visibility
- Maximum suspension comfort with self-levelling front axle suspension and three-point cab suspension
- Tractor Management System TMS
- Load-sensing hydraulic system with up to 193 l/min hydraulic oil delivery capacity
- Up to eight electrohydraulic double-acting valves
- Reversing driver station (optional)







### **High performance for versatile operations**

The new high-horsepower 800 Vario tractor from Fendt with a six-cylinder Deutz engine with a cubic capacity of 6.06 litres and up to 280 hp, is a powerful partner for tough operations the whole year round. The 800 Vario reaches 60 km/h – especially important for transport – at a fuel-saving 1750 rpm for best profitability. The high versatility of the tractor can be further enhanced with the fully integrated reversing driver station.

### **New standards in driving and operating comfort**

Drivers find a perfect workplace in the spacious air-conditioned comfort cab. The new Varioterminal – available in two configurations and sizes – offers premium control: drivers can control the tractor and implement using either the touchscreen or the buttons on the terminal. Everything in view in the clear display The large Varioterminal 10.4" provides even greater flexibility when making settings as well as additional functions, such as a camera display.

# 900 Vario – the Fendt powerhouse for the highest demands

<p>Maintenance of • Large areas</p>	
<p>Operations with mulchers Bio-mass production with wood chipper</p>	
<p>Transport with • Trailer • Dump trailers • Push-off trailer</p>	
<p>Roadside maintenance Soil removal with scraper Soil stabilising with pulvimixer</p>	
<p>Clearing large areas with • rotary devices • large area clearers</p>	
<p>Snow blowing with • rear-mounted cutter blower</p>	



The powerhouse from Fendt – the 900 Vario – is the result of consistent development for maximum user benefit. With up to 360 hp, the 900 Vario is the most powerful of the Fendt tractors. Equipped with the optional factory-installed reversing driver station, the 900 Vario turns into an economical system carrier with a high-performance drive – the intelligent solution for the toughest operations.

<b>Fendt 922</b>	<b>162 kW</b>	<b>220 hp</b>
<b>Fendt 924</b>	<b>176 kW</b>	<b>240 hp</b>
<b>Fendt 927</b>	<b>199 kW</b>	<b>270 hp</b>
<b>Fendt 930</b>	<b>220 kW</b>	<b>300 hp</b>
<b>Fendt 933</b>	<b>242 kW</b>	<b>330 hp</b>
<b>Fendt 936</b>	<b>265 kW</b>	<b>360 hp</b>

Maximum power kW/hp (ECE R 24)



- Latest Vario drive technology with intelligent control for efficient power transfer from 220 to 360 hp
- Optimum ergonomics in the Variocentre
- All control elements are integrated in the multi-function armrest and steering column
- 60 km/h top speed at reduced engine speed (1950 rpm) – even with the largest tyres
- Six-cylinder engine (4 valves) with 7.14 l cubic capacity
- Low fuel consumption
- Unrestricted use of RME
- Tractor Management System TMS
- High-level working and ride comfort in the large x5 cab with three-point bearing

### **The Fendt powerhouse**

Powered by a 7.14-litre four-valve engine with up to maximum 360 hp and a specific fuel consumption of only 198 g/kWh, the 900 Vario is the carrier machine for power-intensive operations. The Vario transmission permits full power transfer at speeds from 20 m/h to 60 km/h: Slow for demanding PTO work with a forestry tiller, a soil stabiliser or large snow blowers – fast for high transport speeds.

Thanks to the front axle suspension, shock load stabilising, high-performance braking system and pneumatic cab suspension, the Varios offer ride comfort on par with commercial vehicles. Through a high output, excellent fuel economy and the option of using clever and efficient working and implement combinations, the 900 Vario is the cost-effective and efficient alternative for demanding tasks.

## 900 Vario – power and flexibility at work



Whether in forward or reverse drive mode – full comfort in each direction



The impressive Vario versatility: one 900 Vario for all cases



### **Ideal comfort for forestry operations**

During forestry work, maximum performance is expected from both the drivers and machines. Drivers must operate the wood chipper or forestry mulcher precisely and quickly – full concentration is required. In the 900 Vario, the ingenious Vario joystick control permits relaxed working, even during demanding operations. The operating elements for the wood chipper are optimally arranged on the right-hand armrest for easy implement control. With the fully integrated reversing driver station, drivers

always have the same perfect ergonomics, whether in forward or reverse drive mode, since the controls on the armrest swing around completely with the seat. A crossgate lever enables optimum control of the mulcher on the rear power lift.

The 900 Vario can also take on all kinds of terrain and is exceptionally manoeuvrable in forestry applications. The PTO has a high power capacity for the toughest forestry operations.





- Load sensing hydraulic system with 160 l/min hydraulic oil delivery capacity (216 l/min optional)
- Factory-installed reversing driver station (optional) for custom operations
- FSC: Fendt Stability Control for more comfort and driving safety
- Reactive steering system for excellent straight-ahead driving even when travelling fast on the road.
- Hydro-pneumatic independent wheel suspension with 300 mm suspension travel
- Advantageous unladen weight of only 10,360 kg (936 Vario)
- Front ballast weights with and without front power lift
- Rear rim weights with up to 1000 kg on each side

### **Best traction for construction and transport**

Whether using road milling cutters or dumpers, the flexibility of the 900 Vario also scores points in the construction industry. Since it is authorised for road use and has a top speed of 60 km/h, there are no expensive vehicle transportation costs to pay. The Varios boast excellent traction on unprepared terrain, where commercial vehicles require construction roads. In civil engineering projects, the high material handling capacity on the large Fendt tractors are a great benefit and the high PTO and hydraulic

capacity are ideal for recultivation and ground stabilisation work. The Vario can also be fitted with ballast weights. The Vario can work at low engine speeds, which guarantees low fuel consumption.

### **Flexible Vario or self-propelled machine?**

The 900 Vario is an efficient alternative to self-propelled machines. Perfect drive technology, versatility and low consumption values build the basis for economical operations.

# Front loader operation like a wheeled loader

Mechanical self-levelling – compact design through Z-bar linkage



A multi-coupler connects all hydraulic and electric lines at once – even under pressure on the front loader side.

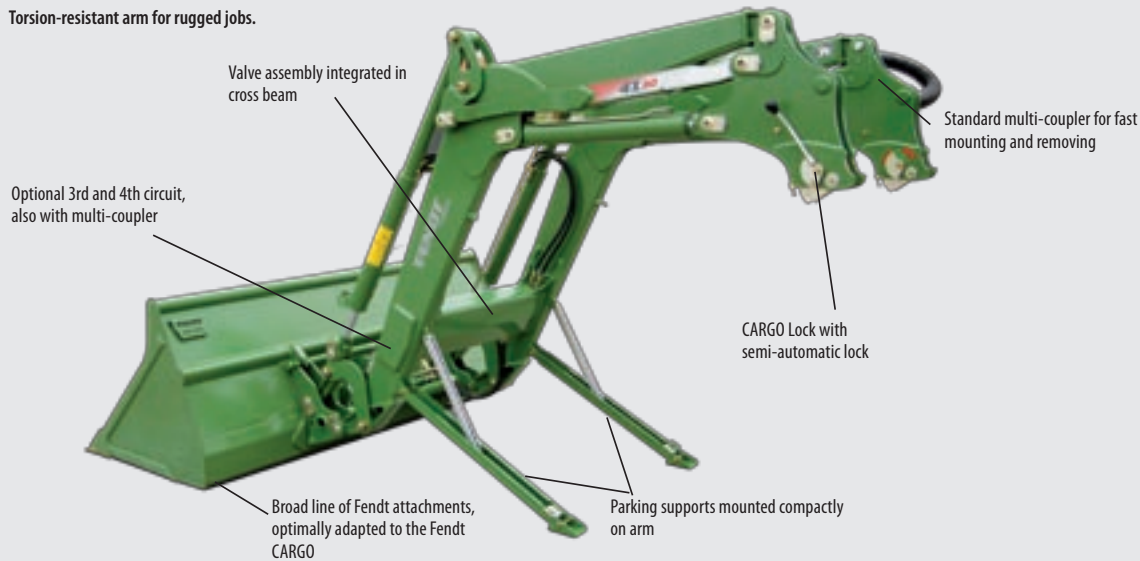


With the new Fendt CARGO Lock, you can mount the loader faster, thanks to the semi-automatic lock on the loader.



The standard-equipped crossgate lever is a plus in operating comfort. Two control valves on the front loader can be operated precisely with just one lever. The optional CARGO comfort controls not only provide controls for a 3rd and 4th hydraulic circuit, but also convenient activation of the hydraulic attachment lock and the front loader damping system using the crossgate lever.

Torsion-resistant arm for rugged jobs.



**As for tractors, the demands on the performance of modern front loaders continue to increase. The answer here is Fendt CARGO. The tailor-made front loader, sporting a new design, was developed specifically for Varios. During development, attention was not only placed on technical specifications – comfort, safety and service-friendliness also meet the high Fendt standards.**

**Fast and easy mounting and removing**  
The Fendt CARGO Lock makes mounting and removing the loader fast and easy. A multi-coupler saves time, since it allows you to connect all the electric and hydraulic lines at once. Mounting and removing is usually completed in less than a minute – a requirement, if the front loader is only to be mounted onto the tractor when it is needed for loading work.



- Automatic lock – CARGO Lock
- Maintenance-free mounting system
- Optimum visibility
- Standard multi-coupler for mounting and removing
- Maximum service-friendliness since designed specifically for the Fendt Vario
- All pipes run in the frame
- Valves and damping are protected in cross bar
- 3rd and 4th hydraulic circuits and hydraulic attachment lock (optional)
- Wide range of original Fendt attachments (optional)
- Maximum ride comfort through integral damping system (optional)

### Multi-coupler

Just one hand movement is all it takes to connect the hydraulic and electric lines. With the standard-equipped multi-coupler, incorrectly connected hoses, oil contamination and high leakage losses are a thing of the past. Disconnecting is equally easy and just as clean. The CARGO can be coupled without problems, even when there is excess pressure in the loader, for example, because it was standing out in the sun.

### Z-bar linkage

Further evidence for the front loader's perfect adaptation to all the Varios is the tried and tested mechanical self-levelling function in the form of Z-bar linkage. This provides maximum visibility and the front windscreen can be swung out fully at any time. The automatic attachment levelling feature ensures that implements are kept in the same position over the entire lifting height. You can monitor the position at all times with a tilt indicator.

# Technical Specifications

	Fendt 200 Vario V F P				
	207 V/F	208 V/F	209 V/F/P	210 V/F/P	211 V/F/P
<b>Engine</b>					
Rated power (kW/hp) ECER24	44/60	52/70	59/80	66/90	74/100
Max. power (kW/hp) ECER24	51/70	59/80	67/90	73/100	81/110
Rated power (kW/hp) EC 97/68	52/71	60/82	67/91	73/99	74/101
Max. power (kW/hp) EC 97/68	55/75	63/85	70/95	77/105	85/115
No. of cylinders/cooling	3/water	3/water	3/water	3/water	3/water
Bore/stroke (mm)	108/120	108/120	108/120	108/120	108/120
Cubic capacity (cm <sup>3</sup> )	3300	3300	3300	3300	3300
Rated engine speed (rpm)	2100	2100	2100	2100	2100
Opt. fuel consumption (g/kWh)	212	212	210	210	210
Max. torque (Nm/rpm) 1600 rpm	295	337	373	408	458
Torque rise (%)	35	32	30	30	44
Fuel tank capacity (l)	76	76	76	76	76
<b>Transmission and PTO</b>					
Type	stepless Vario transmission				
Speed range (forward / reverse)	4WD: 0.02 to 40 km/h / 0.02 to 25 km/h Rear wheel drive: 0.02 to 30 km/h / 0.02 to 25 km/h				
Maximum speed RWD/4WD (km/h) <sup>2)</sup>	30/40	30/40	40	40	40
Powershift rear PTO standard optional	540 / 540E / 1000 540 / 540E / ground PTO <sup>1)</sup>				
Powershiftable front PTO (optional) <sup>1)</sup>	540 or 1000 <sup>1)</sup>				
<b>Hydraulics</b>					
Type	EPC with shock load stabilising or EHL position control <sup>1)</sup>				
Control	free floating, position, draft and stepless mix control				
Hydraulic pump capacity (l/min)	Tandem pump (35+41), load-sensing system with displacement pump (35+71) <sup>1)</sup>				
Working pressure (bar)	200	200	200	200	200
Auxiliary control valves, max. centre/rear	6/4	6/4	6/4	6/4	6/4
Max. available oil volume (l)	25	25	25	25	25
Flow volume control valves	all valves: 0-40 litres, 3rd valve with 0-65 litres <sup>1)</sup>				
<b>Brakes</b>					
Rear brakes	wet ring piston brake				
Four-wheel braking system for 4WD/RWD	automatic 4WD engagement / hydraulic drum brake				
<b>Electrical equipment</b>					
Battery (Ah)	50				
Three-phase alternator	14 V / 120 A				

	Tyres		Track min. track front	minimum width rear	
	front	rear		front	rear
207 / 208 V	7.50-16 7.50-16	280/85R24 320/85R24	940 940	777 831	1070 1151
207 - 211 VA	4WD front rear				
	7.5L15 10.0/75-15.3 280/70R16	280/85R24 320/85R24 360/70R24	794 844 852	777 831 857	1070 1151 1155 1217
207 - 208 F	RWD 7.50R16		12.4R28 13.6R28	940	1000 1000 1322 1372
207 - 211 FA	280/70R18 280/80R18	12.4R28 13.6R28	1064 1064	1000 1000	1322 1372
209 - 211 PA	280/80R18 280/70R20	380/85R28 420/70R28	1212 1212	1288 1288	1668 1703

<sup>1)</sup> Optional

<sup>2)</sup> Speed depends on tyres

	207		208		209			210			211		
	V/VA	F/FA	V/VA	F/FA	VA	FA	PA	VA	FA	PA	VA	FA	PA
<b>Weights and dimensions</b>													
Unladen weight with cab (kg)	2780	2860	2780	2860	2780	2860	3080	2780	2860	3080	2780	2860	3080
Unladen weight with safety bar (kg)	2580	---	2580	---	2580	---	2860	2580	---	2860	2580	---	2860
Max. perm. overall weight RWD/4WD (kg)	4000/4500	4000/4500	4000/4500	4000/4500	4500	4500	5300	4500	4500	5300	4500	4500	5300
Max. hitch load (kg)	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
Overall length (mm)	3578	3683	3578	3683	3578	3683	3701	3578	3683	3701	3578	3683	3701
Overall width narrow/wide (mm)	1070/1161	1340	1151/1269	1372	1151/1269	1372	1679	1269/1269	1372	1679	1305/1305	1372	1717
Wheelbase (mm)	2160	2160	2160	2160	2160	2160	2160	2160	2160	2160	2160	2160	2160
Overall height comfort cab (mm)	2360	2443	2390	2462	2390	2462	2486	2390	2462	2486	2390	2462	2488
Overall height low roof version (mm)	2210	2293	2240	2312	2240	2312	2336	2240	2312	2336	2240	2312	2338
Overall height safety bar high (mm)	2383	---	2413	---	2413	---	2509	2413	---	2509	2413	---	2511
<b>Hydraulics</b>													
Max. lift capacity, rear linkage (daN)	2775	2417	2775	2417	2775	2417	3134	2775	2417	3134	2775	2417	3134
Max. lift capacity, front linkage (daN) <sup>1)</sup>	2390	2390	2380	2390	2380	2390	2540	2390	2390	2540	2390	2390	2540

	Fendt 200 Vario					Fendt 300 Vario			
	207	208	209	210	211	309	310	311	312
<b>Engine</b>									
Rated power (kW/hp) (ECE R24)	44 / 60	52 / 70	59 / 80	66 / 90	74 / 100	59 / 80	66 / 90	74 / 100	81 / 110
Maximum power (kW/hp) (ECE R24)	51 / 70	59 / 80	67 / 90	73 / 100	81 / 110	70 / 95	77 / 105	84 / 115	92 / 125
Rated power (kW/hp) (EC 97/68) 2)	52 / 71	60 / 82	67 / 91	73 / 99	74 / 101	69 / 94	73 / 99.5	84 / 114	91 / 124
Maximum power (kW/hp) (EC 97/68)	55 / 75	63 / 85	70 / 95	77 / 105	85 / 115	73 / 99	80 / 109	88 / 119	95 / 129
No. of cylinders / cooling / aspiration	3 cylinders / water / turbocharger, intercooler					4-cylinders, 4-valve technology / water / turbocharger, intercooler			
Injection / engine control / exhaust recirculation	common rail / EDC / external EGR					common rail / EDC / external EGR			
Bore / stroke (mm) / cubic capacity (cm <sup>3</sup> )	108/120/3300					101/126/4038			
Rated engine speed (rpm)	2100	2100	2100	2100	2100	2100	2100	2100	2100
Engine speed at max. power (rpm)	1900	1900	1900	1900	1900	1900	1900	1900	1900
Max. torque (Nm/rpm)	295 / 1600	337 / 1600	373 / 1600	408 / 1600	458 / 1600	407 / 1450	445 / 1450	485 / 1450	515 / 1450
Torque rise (%)	34	32	30	30	42	40	44	35	32
Optim. fuel consumption (g/kWh)	207	207	207	207	207	207	206	206	206
Fuel tank (l)	125	125	125	125	125	210	210	210	210
Oil change interval (op. hrs.) <sup>6)</sup>	500	500	500	500	500	500	500	500	500
<b>Transmission and PTO</b>									
Type	stepless Vario transmission					stepless Vario transmission			
Speed range I: (forward / reverse)	0.03 to 40 km/h / 0.03 to 25 km/h					0.03 to 40 km/h / 0.02 to 25 km/h			
Speed range II: (forward / reverse)	-					-			
Maximum speed (km/h)	40	40	40	40	40	40	40	40	40
Rear PTO (rpm) standard (optional)	540 / 540E / 1000 ground PTO <sup>1)</sup>					540 / 540E / 1000 (540 / ground PTO (7.9 rev/driven metre) <sup>1)</sup> )			
Front PTO <sup>1)</sup>	540 or 1000					540 or 1000			
<b>Hydraulics</b>									
Type	Electrohydr. power lift control (EPC) with shock load stabilising					constant flow system			
Hydraulic pump capacity (l/min)	48 (41+35) <sup>1)</sup>	48 (41+35) <sup>1)</sup>	48 (41+35) <sup>1)</sup>	48 (41+35) <sup>1)</sup>	48 (41+35) <sup>1)</sup>	78 (48+30)	78 (48+30)	78 (48+30)	78 (48+30)
Working pressure (bar)	200	200	200	200	200	200	200	200	200
Rear power lift control	EPC, lower link control, shock load stabilising					EPC, lower link control, shock load stabilising			
Max. auxiliary valves, (standard) incl. front controls	4 da <sup>4)</sup> (2 da <sup>4)</sup> ) valves / crossgate lever					4 da <sup>4)</sup> (2 da <sup>4)</sup> ) valves / crossgate lever			
Max. lift capacity, rear power lift on the drawbar (kN/kp)	4204	4204	4204	4204	4204	5280	5280	5280	5280
Max. lift capacity, front linkage (daN)	2490	2490	2490	2490	2490	2940	2940	2940	2940
Max. available hydraulic oil (l)	28	28	28	28	28	42	42	42	42
<b>Brakes</b>									
Rear brakes	wet ring piston brake					wet, integrated ring piston brake			
Brakes front Four-wheel drive version:	automatic 4WD engagement					4WD engagement			
Rear wheel drive version:						drum brake <sup>9)</sup>			
<b>Weights and dimensions</b>									
Unladen weight	3750	3790	3870	3870	3930	4130 (3800 <sup>9)</sup> )	4130 (3800 <sup>9)</sup> )	4190	4350
Perm. overall weight (kg)	6500	6500	6500	6500	6500	8000 (6000 <sup>9)</sup> )	8000 (6000 <sup>9)</sup> )	8000	8000
Max. payload (kg)	2750	2710	2630	2630	2570	3870 (2200 <sup>9)</sup> )	3870 (2200 <sup>9)</sup> )	3810	3650
Max. hitch load (kg)	2000	2000	2000	2000	2000	2000	2000	2000	2000
Overall length (mm)	4068	4068	4068	4068	4068	4150	4150	4150	4150
Overall width (mm)	1970	2170	2170	2170	2186	2165	2275	2275	2385
Overall height (mm)	2477	2482	2530	2530	2525	2740	2745	2745	2790
Ground clearance <sup>3)</sup> (mm)	475	475	475	475	475	436	436	436	476
Wheelbase (mm)	2294	2294	2294	2294	2294	2350	2350	2350	2350
Front track <sup>3)</sup> (mm)	1500	1500	1690	1690	1690	1685 (1580 <sup>9)</sup> )	1685 (1580 <sup>9)</sup> )	1685	1820
Rear track <sup>3)</sup> (mm)	1510	1655	1660	1660	1660	1660	1660	1660	1800
Min. turning circle (m)	3.98	3.98	3.98	3.98	3.98	4.4 (4.1 <sup>9)</sup> )	4.4 (4.1 <sup>9)</sup> )	4.5	4.5
<b>Electrical equipment</b>									
Starter (kW)						3.0			
Battery						12V / 90Ah			
Alternator						14V / 120 A			
<b>Cab</b>									
Type	integral safety cell					integral safety cell			
Climate control	hinged tinted front, side and rear windows, roof hatch, ventilation system with blower in roof, hot water heating with 3-speed blower, air-conditioning <sup>1)</sup>					hinged tinted front, side and rear windows, roof hatch, ventilation system with blower in roof, hot water heating with 3-speed blower, air-conditioning <sup>1)</sup>			
<b>Tyres</b>									
Front tyres (standard)	320/70R24	320/70R24	380/70R24	380/70R24	440/65R24	380/70R24	440/65R24	440/65R24	480/65R24
Rear tyres (standard)	420/85R30	480/70R30	480/70R34	480/70R34	540/65R34	480/70R34	540/65R34	540/65R34	540/65R38

<sup>1)</sup> = optional <sup>2)</sup> = Power specifications for registration, <sup>3)</sup> = with standard tyres, <sup>4)</sup> = can also be used as single-acting, <sup>5)</sup> = depending on country regulations, <sup>6)</sup> = SHPD oil, <sup>7)</sup> = is halved when using RME, <sup>8)</sup> = without steering brake <sup>9)</sup> = rear-wheel drive version, <sup>10)</sup> = for perm. overall weight of 7500 kg, <sup>11)</sup> = only Profi version with dual-circuit braking system, <sup>12)</sup> = optional single-circuit braking system, only 50 km/h, <sup>13)</sup> = depends on the braking system and perm. top speed, <sup>14)</sup> = Power version (50 km/h) <sup>15)</sup> = Profi version (60 km/h)

# Technical Specifications

	Fendt 400 Vario					Fendt 700 Vario				Fendt 800 Vario	
	411	412	413	414	415	712	714	716	718	818	820
<b>Engine</b>											
Rated power (kW/hp) (ECE R24)	74 / 100	81 / 110	88 / 120	96 / 130	103 / 140	85 / 115	96 / 130	110 / 150	121 / 165	125 / 170	140 / 190
Max. power (kW/hp) (ECE R24)	85 / 115	92 / 125	99 / 135	107 / 145	114 / 155	96 / 130	107 / 145	121 / 165	132 / 180	136 / 185	151 / 205
Rated power (kW/hp) (EC 97/68) 2)	84 / 114	91 / 124	98 / 134	106 / 144	113 / 154	97 / 132	108 / 147	123 / 167	133 / 181	137 / 186	152 / 207
Max. power (kW/hp) (EC 97/68)	88 / 120	96 / 130	103 / 140	110 / 150	118 / 160	100 / 136	111 / 151	126 / 172	137 / 186	141 / 192	156 / 212
No. of cylinders / cooling / aspiration	4-cylinders, 4-valve technology / water / turbocharger, intercooler					6-cylinders, 4-valve technology / water / turbocharger, intercooler common rail / EDC / AGReX				6 cylinders / water / turbo-charger common rail / EDC / AGReX	
Injection / engine control / exhaust recirculation	common rail / EDC / external EGR					intercooler common rail / EDC / AGReX				intercooler common rail / EDC / AGReX	
Bore / stroke (mm) / cubic capacity (cm <sup>3</sup> )	101/126/4038					101/126/6057				101/126/6057	
Rated engine speed (rpm)	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100	2100
Engine speed at max. power (rpm)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Max. torque (Nm/rpm)	505 / 1400	550 / 1400	589 / 1400	613 / 1400	657 / 1400	571 / 1450	640 / 1450	724 / 1450	780 / 1450	804 / 1450	895 / 1450
Torque rise (%)	42	42	41	35	35	38	38	36	35	35	35
Optim. fuel consumption (g/kWh)	205	205	204	203	204	198	198	195	195	195	195
Fuel tank (l)	245	245	245	245	245	340	340	340	340	340	340
Oil change interval (op. hrs.) <sup>6)</sup>	500	500	500	500	500	500	500	500	500	500	500
<b>Transmission and PTO</b>											
Type	stepless Vario transmission					stepless Vario transmission				stepless Vario transmission	
Speed range I: (forward / reverse)	0.02 to 24 km/h / 0.02 to 17 km/h					0.02 to 28 km/h / 0.02 to 17 km/h				0.02 to 28 km/h / 0.02 to 17 km/h	
Speed range II: (forward / reverse)	0.02 - 50 <sup>5)</sup> km/h / 0.02 - 40 km/h					0.02 - 50 <sup>5)</sup> km/h / 0.02 - 40 km/h				0.02 - 50 <sup>5)</sup> km/h / 0.02 - 40 km/h	
Maximum speed (km/h)	50 <sup>5)</sup>	50 <sup>5)</sup>	50 <sup>5)</sup>	50 <sup>5)</sup>	50 <sup>5)</sup>	50 <sup>5)</sup>	50 <sup>5)</sup>	50 <sup>5)</sup>	50 <sup>5)</sup>	50 <sup>5)</sup>	50 <sup>5)</sup>
Rear PTO (rpm) standard (optional)	540 / 540E / 1000					540 / 540E / 1000				540 / 540E / 1000	
Front PTO <sup>1)</sup>	540 or 1000					540 or 1000				540 or 1000	
<b>Hydraulics</b>											
Type	load sensing					load sensing				load sensing	
Hydraulic pump capacity (l/min)	75 (110 <sup>11)</sup> )	75 (110 <sup>11)</sup> )	75 (110 <sup>11)</sup> )	75 (110 <sup>11)</sup> )	75 (110 <sup>11)</sup> )	110 (154 <sup>11)</sup> )	110 (154 <sup>11)</sup> )	110 (154 <sup>11)</sup> )	110 (154 <sup>11)</sup> )	110 (154 <sup>11)</sup> )	110 (154 <sup>11)</sup> )
Working pressure (bar)	200	200	200	200	200	200	200	200	200	200	200
Rear power lift control	EPC, lower link control, shock load stabilising					EPC, lower link control, shock load stabilising				EPC, lower link control, shock load stabilising	
Max. auxiliary valves, (standard) incl. front controls	4 da <sup>4)</sup> (2 da <sup>4)</sup> ) electr. valves / crossgate lever					5 da <sup>4)</sup> (3 da <sup>4)</sup> ) electr. valves / crossgate lever				5 da <sup>4)</sup> (3 da <sup>4)</sup> ) electr. valves	
Max. lift capacity, rear power lift on the drawbar (kN/kp)	6520	6520	6520	6520	6520	8340	8340	8340	9080	9080	9080
Max. lift capacity, front linkage (daN)	3100	3100	3100	3100	3100	4440	4440	4440	4440	4440	4440
Max. available hydraulic oil (l)	38	38	38	38	38	45	45	45	45	45	45
<b>Brakes</b>											
Rear brakes	wet, integrated multi-disc brake					wet, integrated multi-disc brake				wet, integrated multi-disc brake	
Brakes front Four-wheel drive version:	4WD engagement					wet brakes on cardan shaft				wet brakes on cardan shaft	
<b>Weights and dimensions</b>											
Unladen weight	5400	5400	5420	5450	5450	6605	6605	6605	6985	7185	7185
Perm. overall weight (kg)	9000 (7500 <sup>11)</sup> )	9000 (7500 <sup>11)</sup> )	9000 (7500 <sup>11)</sup> )	9500 (7500 <sup>11)</sup> )	9500 (7500 <sup>11)</sup> )	11500 (7500 <sup>11)</sup> )	11500 (7500 <sup>11)</sup> )	11500 (7500 <sup>11)</sup> )	12500	12500	12500
Max. payload (kg)	3600 (2100 <sup>10)</sup> )	3600 (2100 <sup>10)</sup> )	3580 (2080 <sup>10)</sup> )	4050 (2050 <sup>10)</sup> )	4050 (2050 <sup>10)</sup> )	4895 (895 <sup>10)</sup> )	4895 (895 <sup>10)</sup> )	4895 (895 <sup>10)</sup> )	5515	5315	5315
Max. hitch load (kg)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
Overall length (mm)	4252	4252	4242	4281	4281	4669	4669	4669	4753	4753	4753
Overall width (mm)	2340	2340	2380	2440	2490	2520	2520	2570	2570	2570	2570
Overall height (mm)	2900	2900	2923	2923	2953	2960	2999	2999	2999	3025	3025
Ground clearance <sup>3)</sup> (mm)	462	462	482	482	512	552	552	552	552	566	566
Wheelbase (mm)	2417	2417	2417	2417	2417	2700	2700	2700	2720	2720	2720
Front track <sup>3)</sup> (mm)	1820	1820	1820	1880	1880	1940	1940	1940	1940	1940	1940
Rear track <sup>3)</sup> (mm)	1800	1800	1800	1860	1860	1920	1920	1920	1920	1920	1920
Min. turning circle (m)	4.95	4.95	4.95	4.75	4.75	5.5	5.5	5.5	5.5	5.6	5.6
<b>Electrical equipment</b>											
Starter (kW)	3.1					3.0				3.0	
Battery	12V / 90Ah					12V / 170 Ah				12V / 170 Ah	
Alternator	14V / 150 A					14V / 200 A				14V / 200 A	
<b>Cab</b>											
Type	integral, tiltable safety cell					Integral, tiltable safety cell				Integral, tiltable safety cell	
Climate control	hinged tinted front, side and rear windows, roof hatch, , ventilation system with blower in roof, hot water heating with 3-speed blower, air-conditioning <sup>1)</sup>					hinged, tinted front, side and rear windows, roof hatch, ventilation system with inf. adj. blower in roof, hot water heating with three-speed blower, air-conditioning				hinged, tinted front, side and rear windows, roof hatch, ventilation system with inf. adj. blower in roof, hot water heating with three-speed blower, air-conditioning	
<b>Tyres</b>											
Front tyres (standard)	480/65R24	480/65R24	540/65R24	540/65R24	540/65R26	480/65R28	480/70R28	540/65R28	540/65R28	540/65R30	540/65R30
Rear tyres (standard)	540/65R38	540/65R38	600/65R38	600/65R38	650/65R38	600/65R38	580/70R38	650/65R38	650/65R38	650/65R42	650/65R42

**Additional implement line:** A comprehensive line of additional implements is available for year round operations. Additional implements are selected by Fendt and optimally adapted to the Vario tractors in cooperation with the implement manufacturers.

	Fendt 800 Vario <span style="color:red">NEW</span>					Fendt 900 Vario					
	819	822	824	826	828	922	924	927	930	933	936
<b>Engine</b>	6-cylinders, 4-valve technology / water / turbocharger, intercooler common rail / EDC					6-cylinders, 4-valve technology / water / turbocharger, intercooler common rail / EDC / external EGR					
Rated power (kW/hp) (ECE R24)	132 / 180	147 / 200	162 / 220	176 / 240	191 / 260	140 / 190	154 / 210	176 / 240	199 / 270	220 / 300	243 / 330
Max. power (kW/hp) (ECE R24)	147 / 200	162 / 220	176 / 240	191 / 260	206 / 280	162 / 220	176 / 240	199 / 270	220 / 300	242 / 330	265 / 360
Rated power (kW/hp) (EC 97/68) 2)	144 / 196	159 / 216	174 / 237	188 / 256	203 / 276	158 / 215	172 / 234	194 / 264	217 / 295	238 / 324	261 / 355
Max. power (kW/hp) (EC 97/68)	151 / 205	166 / 226	182 / 248	195 / 265	211 / 287	167 / 227	180 / 245	202 / 275	224 / 305	245 / 333	269 / 366
No. of cylinders / cooling / aspiration											
Injection / engine control / exhaust recirculation											
Bore / stroke (mm) / cubic capacity (cm <sup>3</sup> )	101/126/6057					108/130/7142					
Rated engine speed (rpm)	2100	2100	2100	2100	2100	2200	2200	2200	2200	2200	2200
Engine speed at max. power (rpm)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Max. torque (Nm/rpm)	863 / 1450	955 / 1450	1040 / 1450	1120 / 1450	1210 / 1450	913 / 1450	1000 / 1450	1100 / 1450	1218 / 1450	1310 / 1450	1482 / 1450
Torque rise (%)	37	37	36	35	35	40	41	36	34	31	35
Optim. fuel consumption (g/kWh)	192	192	192	192	192	200	197	197	198	198	198
Fuel tank (l)	505	505	505	505	505	660	660	660	660	660	660
Oil change interval (op. hrs.) <sup>6)</sup>	500	500	500	500	500	500	500	500	500	500	500
<b>Transmission and PTO</b>	stepless Vario transmission					stepless Vario transmission					
Type											
Speed range I: (forward / reverse)	0.02 to 34 km/h / 0.02 to 20 km/h					0.02 to 34 km/h / 0.02 to 20 km/h					
Speed range II: (forward / reverse)	0.02 to 60 km/h <sup>5)</sup> / 0.02 to 33 km/h					0.02 to 60 km/h <sup>5)</sup> / 0.02 to 33 km/h					
Maximum speed (km/h)	60 <sup>5) 11)</sup>	60 <sup>5) 11)</sup>	60 <sup>5) 11)</sup>	60 <sup>5) 11)</sup>	60 <sup>5) 11)</sup>	60 <sup>5) 11)</sup>	60 <sup>5) 11)</sup>	60 <sup>5) 11)</sup>	60 <sup>5) 11)</sup>	60 <sup>5) 11)</sup>	60 <sup>5) 11)</sup>
Rear PTO (rpm) standard (optional)	540E / 1000					540E / 1000					
Front PTO <sup>1)</sup>	1000					1000					
<b>Hydraulics</b>	load sensing					load sensing					
Type											
Hydraulic pump capacity (l/min)	152 (193 <sup>11)</sup> )	152 (193 <sup>11)</sup> )	152 (193 <sup>11)</sup> )	152 (193 <sup>11)</sup> )	152 (193 <sup>11)</sup> )	160 (216 <sup>11)</sup> )	160 (216 <sup>11)</sup> )	160 (216 <sup>11)</sup> )	160 (216 <sup>11)</sup> )	160 (216 <sup>11)</sup> )	160 (216 <sup>11)</sup> )
Working pressure (bar)	200	200	200	200	200	200	200	200	200	200	200
Rear power lift control	EPC, lower link control, shock load stabilising					EPC, lower link control, shock load stabilising					
Max. auxiliary valves, (standard) incl. front controls	4 da <sup>4)</sup> (3 dw <sup>4)</sup> ) – 8 da <sup>4)</sup> (4 da <sup>4)</sup> ) el. valves / crossgate lever					4 da <sup>4)</sup> (3 dw <sup>4)</sup> ) – 8 da <sup>4)</sup> (4 da <sup>4)</sup> ) el. valves / crossgate lever					
Max. lift capacity, rear power lift on the drawbar (kN/kp)	11110	11110	11110	11110	11110	1180	1180	1180	1180	1180	1180
Max. lift capacity, front linkage (daN)	5030	5030	5030	5030	5030	5550	5550	5550	5550	5550	5550
Max. available hydraulic oil (l)	80	80	80	80	80	87	87	87	87	87	87
<b>Brakes</b>	hydraulic, wet, integrated multi-disc brake; Profi version: wet, integrated multi-disc brake; Power version: 4WD engagement; Profi and Power versions: air brakes, spring-loaded handbrake; Profi version: FBS2: Fendt dual-circuit four-wheel braking system; Power version: single-circuit braking system					pneumatic, wet, integrated multi-disc brake Profi version: wet, integrated multi-disc brake; Power version: 4WD engagement Profi and Power versions: air brakes, spring-loaded handbrake Profi version: FBS2: Fendt dual-circuit four-wheel braking system; Power version: single-circuit braking system					
Rear brakes											
Brakes front Four-wheel drive version:											
Rear wheel drive version:											
<b>Weights and dimensions</b>											
Unladen weight	9300	9300	9300	9450	9450	10080	10080	10080	10260	10260	10360
Perm. overall weight (kg)	14000 - 16000 <sup>13)</sup>	14000 - 16000 <sup>13)</sup>	14000 - 16000 <sup>13)</sup>	14000 - 16000 <sup>13)</sup>	14000 - 16000 <sup>13)</sup>	15000 - 18000 <sup>13)</sup>	15000 - 18000 <sup>13)</sup>	15000 - 18000 <sup>13)</sup>	15000 - 18000 <sup>13)</sup>	15000 - 18000 <sup>13)</sup>	15000 - 18000 <sup>13)</sup>
Max. payload (kg)	4920 - 8920 <sup>13)</sup>	4920 - 8920 <sup>13)</sup>	4920 - 8920 <sup>13)</sup>	4740 - 7740 <sup>13)</sup>	4740 - 7740 <sup>13)</sup>	4920 - 8920 <sup>13)</sup>	4920 - 8920 <sup>13)</sup>	4920 - 8920 <sup>13)</sup>	4740 - 7740 <sup>13)</sup>	4740 - 7740 <sup>13)</sup>	4640 - 7640 <sup>13)</sup>
Max. hitch load (kg)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
Overall length (mm)	5274	5274	5274	5274	5274	5655	5655	5655	5655	5655	5655
Overall width (mm)	2550	2550	2550	2550	2550	2750	2750	2750	2750	2750	2750
Overall height (mm)	3270	3270	3270	3270	3270	3322	3322	3322	3322	3322	3372
Ground clearance <sup>3)</sup> (mm)	513	513	513	567	567	480	480	510	510	510	570
Wheelbase (mm)	2900	2900	2900	2900	2900	3050	3050	3050	3050	3050	3050
Front track <sup>3)</sup> (mm)	2000	2000	2000	2000	2000	2100	2100	2100	2100	2100	2100
Rear track <sup>3)</sup> (mm)	1970	1970	1970	1970	1970	2050	2050	2050	2050	2000	2000
Min. turning circle (m)	5.4	5.4	5.4	5.4	5.4	6.08	6.08	6.45	6.45	6.45	6.58
<b>Electrical equipment</b>											
Starter (kW)											
Battery	4.0 12 V / 170 Ah					4.7 12 V / 170 Ah					
Alternator	2 x 12 / 150 A					14 V / 2 x 150 A					
<b>Cab</b>	5-pillar large cab, 3-point pneumatic suspension system with pitch and roll compensation, tinted front, side and rear windows, roof hatch, automatic air-conditioning					5-pillar large cab, 3-point pneumatic suspension system with pitch and roll compensation, tinted front, side and rear windows, roof hatch, automatic air-conditioning					
Type and climate control											
<b>Tyres</b>											
Front tyres (standard)	540/65R30	540/65R30	540/65R30	540/65R34	540/65R34	540/65R34 <sup>14)</sup> 540/65R34 <sup>15)</sup>	540/65R34 <sup>14)</sup> 540/65R34 <sup>15)</sup>	540/65R34 <sup>14)</sup> 600/65R34 <sup>15)</sup>	600/65R34 <sup>14)</sup> 600/65R34 <sup>15)</sup>	600/65R34 <sup>14)</sup> 600/65R34 <sup>15)</sup>	600/65R34 <sup>14)</sup> 600/70R34 <sup>15)</sup>
Rear tyres (standard)	650/65R42	650/65R42	650/65R42	650/85R38	650/85R38	650/65R42 <sup>14)</sup> 650/65R42 <sup>15)</sup>	650/65R42 <sup>14)</sup> 650/65R42 <sup>15)</sup>	650/65R42 <sup>14)</sup> 650/85R38 <sup>15)</sup>	650/85R38 <sup>14)</sup> 650/85R38 <sup>15)</sup>	710/70R42 <sup>14)</sup> 710/70R42 <sup>15)</sup>	710/70R42 <sup>14)</sup> 710/75R42 <sup>15)</sup>

<sup>1)</sup> = optional <sup>2)</sup> = Power specifications for registration, <sup>3)</sup> = with standard tyres, <sup>4)</sup> = can also be used as single-acting, <sup>5)</sup> = depending on country regulations, <sup>6)</sup> = SHPD oil, <sup>7)</sup> = is halved when using RME, <sup>8)</sup> = without steering brake <sup>9)</sup> = rear-wheel drive version, <sup>10)</sup> = perm. overall weight of 7500 kg, <sup>11)</sup> = only Profi version with dual-circuit braking system, <sup>12)</sup> = optional single-circuit braking system, only 50 km/h, <sup>13)</sup> = depends on the braking system and perm. top speed, <sup>14)</sup> = Power version (50 km/h) <sup>15)</sup> = Profi version (60 km/h)

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**Fritz Obermaier**  
Head of Sales IRE  
Industry, Road and Environment

Tel.: +49 (0)8342/77-319  
Mobile: +49 (0)171/3653982  
E-mail:  
fritz.obermaier@xfendt.de



**Thomas Steinheber**  
Sales Promotion IRE  
Industry, Road and Environment

Tel.: +49 (0)8342/77-676  
Mobile: +49 (0)160/90780299  
E-mail:  
thomas.steinheber@xfendt.de

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AGCO GmbH • Fendt-Marketing  
D-87616 Marktoberdorf  
Fax +49 (0) 8342 / 77-220  
www.fendt.com