With the newly developed 400 Vario, Fendt offers the perfect all-round tractor for mixed and grassland farms. Lightweight, compact and manoeuvrable, it represents the award-winning Vario stepless drive in the middle power segment between 115 and 155 HP maximum power. Optionally, it can also be equipped with all the technology that was until now reserved for the upper mid-sized class and high horsepower tractors. With a broad operating spectrum, it maximises utilisation in agricultural contracting businesses or cooperatives – without compromises. Its particular strength lies in PTO operations. Its exceptional manoeuvrability is a special benefit, particularly in areas with smaller farms.
Fendt 411 Vario 115 hp 85 kW
Fendt 412 Vario 125 hp 92 kW
Fendt 413 Vario 135 hp 99 kW
Fendt 414 Vario 145 hp 107 kW
Fendt 415 Vario 155 hp 114 kW

Maximum power acc. to ECE R24

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High productivity starts with low costs per hour

Low costs per hour
In order to compare the actual costs involved in investing in a tractor, the overall costs and operating costs per hour or hectare must be considered. These include fuel consumption, which is the single greatest factor amounting to over 50% of costs, write-off, including resale value, servicing, repairs and miscellaneous costs such as insurance or housing.

One joystick instead of many levers
With the joystick, you can accelerate the 400 Vario from standstill to the desired speed steplessly. Move the joystick in the opposite direction, and the tractor decelerates. Stepless from 0-50 km/h forward and 0-40 km/h reverse – without crawler or group gears.

Superior productivity – the added-value of a stepless drive
Compared to drive concepts with power shift transmissions, the stepless drive technology offers savings potential for all types and sizes of farming businesses. Source: Landwirtschaftliches Wochenblatt Westfalen-Lippe, 5/2001

The success of modern farming businesses depends on economically optimised production procedures. A top requirement here is the use of suitable mechanisation. With the 400 Vario, Fendt offers an extremely productive and economical universal machine for low-cost handling of all work waiting to be done.

Powerful all-rounder
Compared to the previous model, the 400 Vario range has been developed further in all important areas, power has been increased and the range has been expanded with new models. The result is an exceptionally compact tractor in the medium power class, with enormous power reserves. The tyre options have been adapted to optimise power transfer and soil protection.
Basic equipment or fully equipped?
In the basic version, the 400 Vario is equipped with all the main Variotronic features – including electric proportional valves. Optionally you can configure the 400 Vario with all the enhanced functions. For example, you can equip the 400 Vario with TMS and the headland management Variotronic T1, the technical highlights of state-of-the-art high-horsepower tractors.

Impressive profitability
An excellent return on investment is the key benefit of Vario tractors. The initially higher purchase price is offset by higher performance and lower fuel costs during every hour of operation. A further plus in the overall profitability calculation is the good resale value of a Fendt. Benefit from the exceptional overall profitability of the 400 Vario!

• Excellent power-to-weight ratio of 35 kg/hp (415 Vario)
• High payload reserves thanks to permissible gross weight of:
  • 9000 kg (411 - 413 Vario)
  • 9500 kg (414 - 415 Vario)
• Latest high horsepower tractor technology for the drive train ensures low operating costs
• Low variable costs through low fuel consumption (203 g/kWh for 414 Vario)
• Absolute productivity and profitability in the overall cost calculation
The Fendt Varioterminal: Information and command centre

- Colour information display
- Display bar for menu navigation
- Pushbuttons for menu navigation
- Rotary control for fine adjustments

The multiple award-winning Fendt Varioterminal offers you simple and logical controls. It makes simple operations even easier and also aids the experienced driver during complex operations. This is where you make fine adjustments to all the EPC and hydraulic control valve functions, program engine speeds and the cruise control memories and adapt the automatic maximum output control to your work. These settings can be saved permanently for four different operations or implements. Moreover, the Varioterminal contains an on-board computer that logs all important parameters, such as the distance driven or area worked, and has a standard-equipped fuel consumption indicator as well.

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

- Crossgate lever for 2 electric proportional control valves
- 4WD/differential lock engagement
- Front axle suspension and cruise control preselection
- PTO speed preselection
- Multi-function joystick
- Engine speed memory keys
- EPC rear power lift controls and rear PTO engagement
- Hand throttle

Ever-increasing working hours at a stretch and higher tractor utilisation require optimum working conditions to aid in protecting the driver’s health and combating fatigue. The 400 Vario meets this objective perfectly. Well thought-out ergonomics and a logical, productive control philosophy simplify all the work waiting to be done.

Welcome to a first-rate workplace

In the cab on the 400 Vario, all control elements are grouped logically and arranged ergonomically so that you can concentrate better on the essentials while driving on the road or working in the field. All the control elements for the rear power lift and PTO engagement are integrated in the right-hand side console. Directly next to them are the hand throttle and the membrane keypad for the controls of the 4WD, differential locks, front
Tidy cab design that concentrates on the essentials

Pleasantly quiet work place; free-standing exhaust is isolated from the cab

Perfect ergonomics and logical controls

Height and tilt-adjustable steering wheel

Comfort engagement controls with automatic modes for 4WD, differential locks and PTO

Varioterminal for fine adjustments

TMS and Variotronic® available as option

Fold-down passenger seat

Optionally available with high horsepower tractor technology

The 400 Vario is available with the optional TMS Tractor Management System and Variotronic® Headland Management System. They allow you to carry out your work easier and more comfortably. Whether you are a beginner or professional, with these systems, you automatically perform your work at maximum efficiency and have more time to monitor your implements.

axle suspension, cruise control preselection and PTO speeds. In addition to transmission controls, the joystick, which is integrated in the right armrest, also includes the control keys for 2 hydraulic valves and the activating keys for the automatic functions. Also integrated in the armrest are the engine speed memory keys and the crossgate lever.
Operating comfort that you will appreciate more with every working hour

Fendt has received many international awards for the Variotronic operating concept. Comprising a joystick, Varioterminal and control console, the Variotronic impresses through its simple, ingenious handling. For you, this means greater economic benefits and productivity in practical use.

Simple, intelligent operation
In the basic version, the 400 Vario already comes with several automatic modes that do the work for you. For example, automatic PTO engagement, which automatically engages and disengages the PTO dependent on the height of the power lift. And also 4WD and differential lock engagement, which is speed and steering angle dependent and simplifies your work every time you are at the headlands.

Ergonomic benefits: Located directly next to the speed control lever are the crossgate lever for operating two hydraulic valves, the engine speed memory keys, the sliding control and the key for setting and activating the TMS (optional).

Variotronic®
A touch of a button on the joystick triggers automatic procedures at the headland. They save time and prevent operating errors on long work days. Sixteen sequences with up to 13 functions each can be saved permanently for four implements.

The top choice for operating comfort
Push the joystick forward to accelerate the Vario. To slow down, simply pull the speed control lever back again. Driving in reverse is just as easy – only the other way around. Do you need to reverse quickly? Simply move the joystick to the left – the Vario decelerates to a standstill and drives off again in the opposite direction.

Activate the cruise control with a simple movement to the right. Driving with Fendt Vario: ingeniously simple – simply ingenious.
ISO BUS implement control
With the optional Fendt implement control, you profit from lower purchase costs and enhanced operating comfort. Without implement control, a separate control terminal is required for each implement. With implement control on the 400 Vario, you can control all ISO and LBS implements conveniently with the Varioterminal and the joystick. This enables uniform and simple operating logic with optimum operating ergonomics.

Variotronic™ headland management system
The 400 Vario is available with the optional TMS Tractor Management System and Variotronic™ Headland Management System. These allow you to carry out your work easier and more comfortably. Whether you are a beginner or professional, with these systems, you can automatically perform your work at maximum efficiency and have more time to monitor your implements.
So powerful and yet so economical thanks to the latest engine technology

A 657 Nm torque, 125 HP max. power at 1,800 rpm and a specific fuel consumption of 204 g/kW for the 415 Vario thanks to implementation of the latest technology.

The external EGR system provides targeted cooling of recirculated exhaust, which lowers fuel consumption considerably compared to internal recirculation systems.

Whether you operate your tractor on the road or in the field, for grassland operations or row crop work, in any case you are dependent on superior overall profitability. Today the main factor here is fuel consumption. The 400 Varios have quiet state-of-the-art engines with long servicing intervals. With a fuel tank capacity of 245 litres, there is no need to refuel on long working days.

Power and economy from 4-cylinders

Fendt employs a high-tech four-cylinder Deutz engine with four-valve technology for greater economy. Thanks to the four-cylinder engine, the 400 Vario has an incredibly compact construction, which gives it unprecedented manoeuvrability for this power class. The engine has a speed-independent common rail high-pressure injection system and electronic engine control.
• 4-valve engine with 4.04 l displacement: 155 HP max. power at 1900 rpm (ECE R24) and 657 Nm torque (415 Vario)

• Common rail high-pressure fuel injection system with injection pressures up to 1,600 bar

• Electronic engine control EDC 7

• External exhaust gas recirculation system for lowest fuel consumption and best environmental compatibility

• Viscous fan for optimum engine cooling

• Low specific fuel consumption of 204 g/kWh

• 245-litre tank capacity for long work days

• Servicing interval every 500 operating hours

• One hundred percent RME operation possible thanks to two oil lubricated high-pressure injection pumps

The 400 Vario is also approved for RME fuel without restrictions, as are all Fendt tractors starting with the 1995 models. The use of rape methyl ester according to DIN EN 14214 is fully approved by Fendt as standard specification. You profit from the cost benefits – the tractor does not need to be converted, nor is costly additional insurance required.

AGRex – economical and environmentally-friendly
The high-tech injection system and the first-rate external exhaust gas recirculation system complement each other. Cooling and metering of recirculated exhaust optimises the combustion process substantially and fuel consumption is reduced significantly compared to simple internal exhaust gas recirculation systems.
Experience the Vario advantages – on the road, in the field and at the filling station

The savings potential for various working procedures is clearly noticeable. You save valuable working time through higher area coverage and also profit from low fuel consumption.

Source: Nürtigen University

Automatically drive economically with the optional TMS Tractor Management System

When TMS (Tractor Management System) is activated, the tractor electronics control the engine and transmission. This significantly increases operating comfort for the driver. The driver only needs to set the desired speed, TMS controls the rest. In the above graphic, one can see that the tractor drives at a reduced engine speed on level ground.

On the slope, the load increases, so TMS increases the engine speed. As soon as the load decreases (on level ground or downhill), the quantity of fuel injected is reduced. This maintains an economical driving style, since TMS drives the tractor at the lowest engine speed possible.

The productivity of a tractor, and therefore also the return on investment, is determined in great part by fuel consumption. This requires an economical engine. To keep it working at its economical optimum, while achieving the greatest area coverage possible, is the transmission’s job.

No problem for the Vario drive from Fendt.

Uncompromising in all applications

This kind of flexibility is only possible with Fendt Vario transmissions. From 30 metres per hour to 50 km/h, every speed is possible over the whole range, without steps. The 400 Vario is therefore predestined for operations in mixed farms. The stepless drive on the manoeuvrable 400 Vario and its powerful PTO drive are very useful, especially for grassland work and row crop operations.
Fendt Vario: better than power shift
With stepless variable speed, you can utilise power reserves that are not even available to modern power shift transmissions. With conventional transmissions you are always one gear too high or too low, because of the steps. Vario allows you to mobilise the power reserves that are hidden in between the steps. That means power flow without interruptions.

Special equipment included
In addition to economic benefits, the stepless drive also offers you a one-of-a-kind benefit in operating comfort. A crawler gearbox is no longer necessary, since it is integrated in the Vario drive. To increase driving comfort, the 400 Vario has a turboclutch feature, which prevents engine stalling.

- Maximum working capacity with optimum fuel consumption
- Up to 10 percent more area coverage thanks to optimally adapted travel speed
- 50 km/h top speed at a fuel-saving 1700 rpm
- Up to 10 percent in fuel savings
- Super crawler gears included (from 30 m/h)
- Joystick operation instead of multiple levers
- Turboclutch feature for greater driving comfort
- Stepless reversing of travel direction (shuttle gears) without wear
- Stop-and-go function
- Optionally available with the Tractor Management System TMS for even greater ease of operation

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In addition to economic benefits, the stepless drive also offers you a one-of-a-kind benefit in operating comfort. A crawler gearbox is no longer necessary, since it is integrated in the Vario drive. To increase driving comfort, the 400 Vario has a turboclutch feature, which prevents engine stalling.
Overview of technology

The second generation Fendt 400 Varios are a new development of the perfect all-round tractor for mixed and grassland farms. With five models in the power output range from 115 hp to 155 hp maximum power, the 400 Vario impresses through exceptional manoeuvrability for a broad range of applications.

1. Front drive axle with 52° steering lock
2. Hydropneumatic front axle suspension with level control (lockable)
3. Front power lift (optional)
4. Front PTO (optional)
5. Planetary final drives
6. 4.04-litre Deutz engine with 4-valve technology
7. Intercolder
8. AGRex external exhaust gas recirculation
9. Stepless Vario transmission
10. Planetary gear set
11. Hydro motor
12. Hydro pump
13. Enclosed 4-WD clutch
14. Nitrogen pressure accumulator (suspension)
15. 245-l fuel tank
16. Planetary axle
17. Multi-disc brake for rear wheels
18. Removable toolbox
19. Tilttable comfort cab
20. Front cab bearing is silent bearing
21. Mechanical cab suspension (optional pneumatic cab suspension)
22. Air-sprung Fendt comfort seat
23. Multi-function joystick for controlling the stepless Vario transmission
24. Varioterminal
25. Auxiliary work lights
Fast haulage at 50 km/h with maximum comfort and full safety

A combination of suspension systems
The combination of shock load stabilising (1), mechanical cab suspension (2) and front axle suspension with level control (3) provides ride comfort on par with commercial vehicles. It also increases safety substantially, since the vehicle is not in danger of developing bounce when driving with mounted implements. The load on the front axle remains constant and steerability is maintained.

Optional pneumatic cab suspension
The pneumatic cab suspension has air spring dampers on the rear bearing. These feature automatic levelling, which adjusts the suspension to varying loads.

The mechanical cab suspension
The hydraulic suspension at the front, along with sprung struts at the rear, controls the movement of the cab in fore-to-aft direction. The integral lateral stabiliser and the absence of unwanted bounce greatly enhance ride comfort in the cab.

Front axle suspension
The swing axle, centrally located in the swing arm, detects uneven surfaces and transmits these findings to the swing arm. The plungers on the two cylinders displace oil, activating three nitrogen reservoirs which absorb all shocks.

Even for compact standard tractors, the transportation of goods for purchase and sales jobs is gaining importance and today already amounts to over 40 percent of operating hours. The 400 Vario allows you to perform haulage work at 50 km/h at a fuel-saving 1700 rpm while providing maximum ride comfort and driving safety. Three systems work together to provide this comfort.

Highest level of comfort
The combination of front axle suspension with level control, shock load stabilising and mechanical or optional pneumatic cab suspension provides you with exceptional ride comfort, even with heavy mounted implements. At the same time, these systems also increase your safety. Smoother driving behaviour guarantees safer braking and steering of the vehicle at all times.
Driving safety in all situations
A practically maintenance-free four-wheel braking system comprising two integrated multi-disc brakes for the rear wheels and 4WD engagement for the front wheels, ensures safe braking. The front axle with level control, a benefit in terms of ride comfort, also contributes to driving safety. The suspension can be locked with the push of a button, so that front-mounted implements can be guided precisely.

Cab suspension for maximum comfort
The 400 Vario cab is equipped with mechanical cab suspension as standard. Conical bearings in the front and sprung struts with an integral lateral stabiliser at the rear, absorb annoying shock loads and movements of the cab. The optional pneumatic cab suspension provides an even greater suspension effect. It moves working comfort up another notch, so that the driver remains fit on long work days and the driver’s health is protected in the long run.

- 50 km/h haulage speed at reduced engine speed (1700 rpm)
- EPC with shock load stabilising
- Superior driving safety and ride comfort
- Mechanical cab suspension for perfect ride comfort (standard), optional pneumatic cab suspension
- Front axle suspension with level control and locking function that permits front-mounted implements to be guided precisely
- Top-efficiency lifetime braking system: Wet, integral multi-disc brakes
- Robust cast half-frame design
No matter if you operate your tractor for cultivation or grassland operations – in either case soil compaction is a major disadvantage. With the appropriate tyres, you can prevent soil compaction. With the 400 Vario, you profit from an advantageous vehicle weight and a broad selection of tyre options. If required for the application, variable ballasting options are also available.

Minimum soil compaction is essential for successful field and grassland operations. The tyre options for the 400 Vario go up to 480/60 R28 front and 650/60 R38 rear (for 414 - 415 Vario also 540/65 R26 front and 650/65 R38 rear). That guarantees the least amount of pressure on the ground.

No matter if you operate your tractor for cultivation or grassland operations – in either case soil compaction is a major disadvantage. With the appropriate tyres, you can prevent soil compaction. With the 400 Vario, you profit from an advantageous vehicle weight and a broad selection of tyre options. If required for the application, variable ballasting options are also available.
Short, compact and manoeuvrable
Based on four-cylinder engines, the 400 Vario has a compact design that offers you maximum manoeuvrability and best visibility. This manoeuvrability is not only a benefit in tight farmyards – it also helps in grassland operations, since it saves precious time at the headlands.

Tyres for every application
The new 400 Vario has many tyre options. For row crop work, a combination of 270/95 R36 \(^1\) front and 320/90 R50 \(^1\) rear is possible. That amounts to a wheel diameter of 1847 mm on the rear axle. For the best protection against soil compaction, a combination of 480/60 R28 front and 650/60 R38 rear is possible. Together with the low unladen weight of a 4-cylinder tractor, these are optimum conditions for minimum soil compaction.

\(^1\) Third-party accessory, only 414 - 415
You will appreciate the operating comfort of the 400 Vario, in particular for tillage applications, where you often must operate the PTO controls in addition to the power lift controls. It offers you extensive, high-quality PTO management with start-up control.

Three-speed PTO is standard
The PTO engagement control has 3-speed preselection. It is conveniently operated with keys on the control console. The 400 Vario comes with the PTO speeds 540 rpm, 750 rpm and 1000 rpm at the rear as standard. For less power-hungry operations, the 750-rpm economy PTO “540E” allows smooth working at a reduced engine speed and also saves fuel. The optional front PTO is driven directly from the engine’s crankshaft with no loss of power.
The well-known and greatly-appreciated PTO automatic mode is also available as standard on the 400 Vario. It automatically engages and disengages the PTO, depending on the height of the power lift. The 400 Vario offers you operating comfort inside and outside of the cab. The electrohydraulic PTO engagement can be operated externally from the tail lamp bracket.

Automatic modes
You have the choice of 540 rpm or 1000 rpm. The automatic PTO start-up sensitively controls start-up, according to the power requirements of the implement. This increases the service life of all the PTO components and reduces machine costs.

- Three-speed PTO with comfort controls (540/540E/1000 rpm)
- Optional with flange PTO at rear (540/1000 rpm)
- PTO actuation with start-up control
- PTO automatic mode (automatic engagement dependent on height of the power lift)
- External PTO actuation at the rear
- External PTO-engine speed control (in combination with TMS)
Modern implements demand ever greater flexibility and performance from the tractor hydraulics. Fast lifting and high oil delivery rates are required for economical operation. The 400 Vario models, with their load sensing hydraulics and electrical hydraulic valves, are well-equipped for convenient operation.

Powerful hydraulics
The 400 Vario is equipped with a load sensing hydraulic system. That means: modern axial piston pumps deliver the exact quantity of hydraulic oil required – up to 75 (110 optional) litres per minute. A maximum of 38 litres of hydraulic oil is available to mounted or trailed implements. The hydraulics and transmission have separate oil supplies, which permit unrestricted use of bio-oils for the hydraulics.
The electrohydraulic rear power lift, which has a maximum lift capacity of 65.2 kN, guarantees that even heavy rear-mounted implements for this power class can be lifted to the fullest lift height without trouble. The standard-equipped shock load stabilising counteracts vehicle bounce by actively raising and lowering the power lift.

EPC rear power lift with reserves
The electrohydraulic rear power lift, which has a maximum lift capacity of 65.2 kN, guarantees that even heavy rear-mounted implements for this power class can be lifted to the fullest lift height without trouble. The standard-equipped shock load stabilising counteracts vehicle bounce by actively raising and lowering the power lift.

Integral front power lift with damping
The optionally available front power lift for the 400 Vario has a maximum lift capacity of 31.0 kN. It can safely lift front-mounted implements weighing up to 2.1 tonnes. The integral gas shock absorbers ensure that driving safety and ride comfort are maintained at these high loads.

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Turn your Vario into a stepless loader with the new Fendt CARGO

With the new Fendt CARGO Lock, you can mount and remove the CARGO front loader from your 400 Vario even faster and easier. Thanks to the semi-automatic lock, you no longer need to deal with inserting locking bolts, which is often difficult. The system also offers optimum operational safety, since the front loader is locked in place immediately after driving into it. Fendt CARGO Lock is self-adjusting and is therefore particularly service-friendly.

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 Vario tractors. During development, attention was not only placed on technical specifications. Comfort, safety and service-friendliness also meet the high Fendt standards.

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.

A 400 Vario equipped with an original CARGO front loader from Fendt permits extremely comfortable front loader operations.

<table>
<thead>
<tr>
<th>Model</th>
<th>4X/75</th>
<th>4X/80</th>
</tr>
</thead>
<tbody>
<tr>
<td>A Digging depth (mm)</td>
<td>180</td>
<td>180</td>
</tr>
<tr>
<td>B Lifting height (mm)</td>
<td>4125</td>
<td>4125</td>
</tr>
<tr>
<td>C Dumping distance (mm) B = 3.5 m</td>
<td>1750</td>
<td>1750</td>
</tr>
<tr>
<td>C Dumping distance (mm) B = max.</td>
<td>1210</td>
<td>1210</td>
</tr>
<tr>
<td>D Angle of emptying</td>
<td>55°</td>
<td>55°</td>
</tr>
<tr>
<td>E Angle of backwards tilt</td>
<td>48°</td>
<td>48°</td>
</tr>
<tr>
<td>Lift capacity (kN)</td>
<td>19.4</td>
<td>22.6</td>
</tr>
<tr>
<td>Max. lift capacity (kN)</td>
<td></td>
<td>22.5</td>
</tr>
</tbody>
</table>

A 400 Vario equipped with an original CARGO front loader from Fendt. 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 Vario tractors. During development, attention was not only placed on technical specifications. Comfort, safety and service-friendliness also meet the high Fendt standards.

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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 Vario tractors. During development, attention was not only placed on technical specifications. Comfort, safety and service-friendliness also meet the high Fendt standards. If you upgrade your 400 Vario with FENDT CARGO, you will profit from a perfect combination of all components. During development, all the dimensions and forces of the CARGO were explicitly designed for the Vario. This gives you the operational safety that comes from testing the front loader and tractor as one complete unit. The results are best visibility with balanced force and load distribution for practical operations.
The operating concept was designed for optimum driving comfort. The standard crossgate lever provides precise control of the CARGO. The optional third or fourth hydraulic circuits, are activated via pushbuttons on the crossgate lever and then easily operated with the crossgate lever. The optional damping system can be activated conveniently from the driver seat by simply operating a switch; the optional attachment lock is also controlled in the same way.

Through a specially designed connection between the front loader and the tractor, all maintenance work can be performed on the 400 Vario tractors while the front loader is attached. Further visible evidence of the perfect symbiosis of tractor and loader is the front window of the 400 Vario, which can be swung out completely at any time during front loader work.
Often small things are what make everyday life with a Fendt so pleasant

The 400 Vario is equipped with rear work lights as standard. The Twin Power work lights are mounted on the left and right of the cab roof. Their high position gives you exceptional lighting for your rear-mounted implements.

With two simple hand movements, you can set the lower links on the 400 Vario to rigid or swinging position, depending on implement requirements. A robust, sturdy mechanical lateral lock is locked and unlocked with levers on the right and left sides. In the unlocked position, the lift arms are automatically centred in the middle position. By moving just one pin, you can change the width of the lower links between Cat. II and III.

It is impossible to prevent oil from leaking when coupling hydraulic connections. On the 400 Vario, though, oil leaks run into the casing, which also serves to protect hydraulic couplings from dirt, and are then led through a hose into an easily accessible container.

The standard automatic hitch with remote control from Fendt can be adjusted in height quickly and easily. The locking pin is opened with a lever. The hitch can then be lowered or raised on the guide rails — with only one hand.

You have surely experienced this in your day to day work. Whether you have to change implements when you are pressed for time, or have to work many hours in your Vario without breaks during peak work time, often the small detail solutions are what make life easier. Fendt offers you a number of such details.

Benefit from the sum of the small details that a Fendt tractor offers to help you perform your work easier and more comfortably. When designing and developing a vehicle, Fendt engineers always search for solutions that bring you forward. From experts for experts.
The steering wheel is height and tilt-adjustable to adapt to the individual requirements of every driver.

The 400 Vario was designed to give you access to all areas necessary for daily maintenance – even when the front loader is mounted.

The 400 Vario is equipped with a removable toolbox as standard. Fast and simple to access on the left side of the tractor, so that you can, for example change the shear bolts, without walking all the way around the tractor. A toolbox with a lock is mounted on the tank and can easily be removed completely.

Fendt tractors have signal lights with auto shut-off. Just like in your car, the turn signal indicator automatically shuts off when the steering wheel is turned back.

The 400 Vario was designed to offer you a large selection of tyres. Wide tyres for soil protection are possible, as are row crop tyres with large outer wheel diameters.

Whether you have control cables for a control terminal or hydraulic lines for hydraulic valves on the implement, the cable lead-through in the Fendt cab is designed to enclose the cable while the window is closed, so that dirt and cold cannot enter the cab. Of course, the cables can be fitted easily without tools.
It is clear that you get cutting-edge technology with a Fendt tractor. But that is not enough for a successful business nowadays. That is why Fendt sales partners also offer a wide range of services. All from one source.

Consultation: the way to a tailor-made Fendt
Fendt sales agents are experienced specialists who can provide you with extensive advice and information on technology, equipment and the overall profitability of a Fendt tractor.

More freedom for investments – financing through AGCO FINANCE
Financing through AGCO FINANCE guarantees attractive conditions and flexible repayment periods, customised to meet your needs.

Innovative technology, intelligent services – all from one source

Renting gives you freedom
Do you need a vehicle to fill a short-term capacity requirement, or do you want to use one over a longer period of time without purchasing? Are you looking for a tax advantage or do you require solvency for other investments? Fendt StarService offers you solutions.

A trial run in the field – experience the difference
You cannot pass judgement on a Fendt tractor without the experience of driving one in the field. Fendt tractors enjoy a first-class reputation for superb driving and working comfort. Not until you have driven a Fendt, do you realise how big the difference really is when compared with other tractors.

Competent customer consultations and demonstrations
Fendt dealers and distributors receive regular training and are specialists for Fendt products. They have in-depth knowledge of the entire product line and will offer you competent consultation. Ask your local Fendt sales partner. Or contact us at www.fendt.com for an individual Fendt demonstration.
Genuine Fendt parts – from AGCO Parts – so that your Fendt remains 100% Fendt:
Original Fendt parts are tailored to your Fendt. They carry the assurance of series quality and are tested for functional reliability. That pays off in many ways:
- 12 month warranty on original Fendt parts and their installation
- the highest level of operational reliability
- top resale value

Fast diagnostics thanks to FENDIAS
The StarService technician uses FENDIAS to gain access to the digital data inside your Fendt. Furthermore, if required, data is gathered and analysed while the machine is running – for example, data from the hydraulics or the transmission. All for the sake of fast error diagnostics and operational availability.

FENDT StarService Emergency Hotline
Available 7 days a week!” FENDT StarService partners are mobile and have only one objective: to keep your Fendt operationally available. Should something actually happen, the Emergency Hotline is available for fast and competent help – even on-location at your farm or business!

during the harvesting season from May to October

Mobile expert service
Every StarService partner has a modern service vehicle. Tried and tested, optimised tools, as well as service documentation and FENDIAS, the computer-supported analysis and diagnostics system, are always on board. This allows the mobile StarService technician to localise and rectify errors quickly.

Know-how through practical training
Profit by technically and economically optimising operations with your Fendt tractor, whether in the field, on the road or in the books. Professional instructors show you how to utilise top class technology efficiently and safely, in theory and practice.

Fendt24 – because your time is invaluable!
Your StarService partner has the most commonly required parts in stock. If a part is not in stock, we deliver those that are ordered by 6 pm by 8 am the next morning. During the harvesting season1) your StarService partner has access to Fendt24. Here orders are taken around the clock and are ready for delivery within two hours.

Profitability under contract
With a Fendt Service Package, you have servicing and repair costs under control. Would you like to have the prescribed servicing work done on the basis of reasonable fixed costs? Or do you want full control of costs per operating hour without unpleasant surprises? Choose between the Service, ProService and FullService packages.

Tractors for rent
Rent a tractor including the Service Package at a fixed cost through your Fendt StarService partner. This frees up your funds and you can easily calculate the costs per hour. We can take over all servicing work, complete insurance coverage and repairs*, if you like.

* Repairs according to Fendt warranty policy; natural wear (e.g. tyres) and malicious damage are excluded.
### Technical Specifications

#### Engine
- **Rated power (kW/hp) (ECE R24):** 74 / 100, 81 / 110, 88 / 120, 96 / 130, 103 / 140
- **Max. power (kW/hp) (ECE R24):** 85 / 115, 92 / 125, 99 / 135, 107 / 145, 114 / 155
- **Rated power (kW/hp) (EC 97/68):** 84 / 114, 91 / 124, 98 / 134, 106 / 144, 113 / 154
- **Max. power (kW/hp) (EC 97/64):** 88 / 120, 96 / 130, 103 / 143, 110 / 150, 118 / 160

#### Transmission and PTO
- **Type of gearbox:** stepless Vario transmission
- **Speed range:** Range I (forward / reverse) Range II (forward / reverse)
- **Max. speed (km/h):** 50 / 50, 50 / 50
- **Rear PTO (rpm) standard:** 540 / 540E / 1000
- **Rear PTO (rpm) optional:** 540 or 1000

#### Brakes
- **Rear brakes:** wet, integrated multi-disc brake
- **Front brakes:** 4WD engagement

#### Weights and dimensions
- **Unladen weight acc. to DIN 70020 (kg):** 5400
- **Perm. gross weight (kg):** 9000 (7500 ¹)
- **Max. payload (kg):** 3600 (2100 ²)
- **Max. hitch load (kg):** 3600 (2100 ²)
- **Overall length (mm):** 4252
- **Overall width (mm):** 2340
- **Overall height (mm):** 3200
- **Ground clearance (mm):** 462
- **Wheelbase (mm):** 2417
- **Front track (mm):** 1820
- **Rear track (mm):** 1800
- **Min. turning circle (m):** 4.95

#### Electrical equipment
- **Starter (kW):** 3.1
- **Battery:** 12V / 90Ah
- **Alternator:** 2100 W / 14V / 150 A

#### Cab
- **Construction:** integral, tiltable safety cell hinged, tinted front, side and rear windows, roof hatch, ventilation system with blower in roof, hot water heating with 3-speed blower, air-conditioning ³

#### Standard and Optional Tyres

<table>
<thead>
<tr>
<th>411 Vario</th>
<th>412 Vario</th>
<th>413 Vario</th>
<th>414 Vario</th>
<th>415 Vario</th>
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</thead>
<tbody>
<tr>
<td><strong>Front</strong></td>
<td><strong>Rear</strong></td>
<td><strong>Front</strong></td>
<td><strong>Rear</strong></td>
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<tr>
<td>480/65 R24</td>
<td>540/65 R38</td>
<td>480/65 R24</td>
<td>600/65 R38</td>
<td>540/65 R24</td>
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<td>540/65 R24</td>
<td>600/65 R38</td>
<td>540/65 R24</td>
<td>600/65 R38</td>
<td>540/65 R24</td>
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<tr>
<td>480/65 R26</td>
<td>650/65 R38</td>
<td>480/65 R26</td>
<td>650/65 R38</td>
<td>480/65 R26</td>
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</tbody>
</table>

#### Notes
- ¹ = optional ² = with perm. gross weight of 7500 kg ³ = depending on tyres, ² = can also be operated as single-acting, ² = is halved when using RME, ² = definitive specifications for registration ³ = without steering brake
### Standard and optional equipment

<table>
<thead>
<tr>
<th>Vario controls</th>
<th>411</th>
<th>412</th>
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<th>414</th>
<th>415</th>
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</thead>
<tbody>
<tr>
<td>Joystick control (multi-function joystick)</td>
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<tr>
<td>Varioterminal for fine settings</td>
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<tr>
<td>Camera for the Varioterminal</td>
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<tr>
<td>Variotronic Implement control for ISO and LBS implements</td>
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<tr>
<td>Variotronic * - Headland Management System</td>
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<tr>
<td>Variotronic - Engine-Transmission Management System</td>
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<tr>
<th>Cab</th>
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<tbody>
<tr>
<td>Mechanical cab suspension</td>
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<tr>
<td>Pneumatic cab suspension</td>
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<tr>
<td>Height and tilt-adjustable steering column</td>
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<tr>
<td>Fendt Comfort Seat, air sprung</td>
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<tr>
<td>Fendt Super Comfort Seat, air sprung, low frequency suspension</td>
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<tr>
<td>Radio mounting kit with two stereo speakers</td>
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<tr>
<td>Radio CD Blaupunkt or CD MP3 Blaupunkt</td>
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<tr>
<td>Ventilation with steplessly adj. fan in roof</td>
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<tr>
<td>Air-conditioning system</td>
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<tr>
<td>Emissions filter (aerosol)</td>
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<tr>
<td>Rear window wash/wipe</td>
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<tr>
<td>Twin Power roof work lights rear, front</td>
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<tr>
<td>Work lights A-pillar, rear mudguard</td>
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<tr>
<td>Work light Xenon A-pillar, mudguard rear</td>
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<tr>
<td>Terminal bracket</td>
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<table>
<thead>
<tr>
<th>Engine</th>
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<tbody>
<tr>
<td>Air filter precleaner</td>
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<tr>
<td>Preheater package (engine, transmission, hydraulic oil)</td>
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<tr>
<td>Exhaust brake</td>
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<thead>
<tr>
<th>Transmission</th>
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<tbody>
<tr>
<td>Turboclutch, automatic maximum output control, cruise control</td>
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<tr>
<td>Shuttle function, stop and go function</td>
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<tr>
<td>Acoustic signal when reversing</td>
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<tr>
<th>Chassis / safety features</th>
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<tbody>
<tr>
<td>EPC-C with shock load stabilising</td>
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<tr>
<td>Front axle suspension with level control</td>
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<tr>
<td>Compressed air system</td>
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<tr>
<th>4WD / differential locks</th>
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<tbody>
<tr>
<td>Central 4WD, maintenance-free</td>
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<tr>
<td>Comfort engagement controls for 4WD / differential locks</td>
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<tr>
<td>Rear / front differential with 100% disc locking</td>
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<tr>
<th>Power shift PTO</th>
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<tr>
<td>Rear: 540/540E/1000 rpm</td>
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<tr>
<td>Rear: Flange PTO 540/1000 rpm</td>
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<tr>
<td>Front: 540 rpm or 1000 rpm</td>
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<tr>
<td>PTO engagement control, electrohyd. preselection</td>
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<tr>
<td>External controls for rear PTO</td>
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<thead>
<tr>
<th>Hydraulics</th>
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<tbody>
<tr>
<td>Axial piston pump, hydraulic oil cooler</td>
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<tr>
<td>Electrohydraulic power lift (EPC-C), with external controls</td>
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<tr>
<td>Upper link QC hydraulic</td>
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<tr>
<td>Radar-activated wheel slip control</td>
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<tr>
<td>External hydraulic connection (load sensing)</td>
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<tr>
<td>External control for hydraulic control unit at rear</td>
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<tr>
<td>Double connect-under-pressure couplings rear</td>
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<tr>
<td>Front power lift da with external controls</td>
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<tr>
<td>Front power lift da with position control and external controls</td>
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<tr>
<td>Front loader, front loader attachments</td>
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<th>Body</th>
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<tbody>
<tr>
<td>Rear hitch</td>
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<tr>
<td>Automatic hitch with remote control, rear</td>
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<tr>
<td>Ball coupling</td>
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<tr>
<td>Pickup hitch</td>
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<tr>
<td>Swinging drawbar</td>
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<td>Pin-on-fix</td>
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<tr>
<td>Rotating beacon</td>
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<td>Wide vehicle marker</td>
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<td>Hinged front wheel mudguard</td>
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<tr>
<td>Twin tyres rear</td>
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<tr>
<td>Wheel weights, rear wheels</td>
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<tr>
<td>Front weights, various sizes</td>
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**Additional Xenon work lights; rotating beacon**

**CD or CD MP3 Blaupunkt radio**

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**Variotronic Implement Control for ISO and LBS implements**

**Integral front power lift and front PTO**

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**Wide selection of weights for optimum ballasting**

**Original Fendt CARGO front loader**

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All data regarding delivery, appearance, performance, dimensions and weight, fuel consumption and running costs of the vehicles correspond with the latest information available at the time of going to press. Changes may be made before the time of purchase. Your Fendt dealer will be pleased to supply you with up-to-date information.