

The 500 Vario. Formed by ideals.

With the four new models in the 500 Vario series, Fendt introduces a new vehicle class in the compact standard tractor segment. These tractors offer numerous technical features that were limited to the top tractor class until now. Versatile innovations and equipment options give the 500 Vario unrivalled competitive advantages in the performance range from 125 to 165 hp. The new representative for the Fendt Efficient Technology convinces with cutting-edge engine technology and the fuel-saving SCR technology for exhaust after-treatment. Now ideal features from the Fendt high-horsepower tractors – the unique VisioPlus cab and the Variotronic – are also found in the new 500 Vario.

Cutting-edge technology united

The new 500 Vario series with the 512 Vario, 513 Vario, 514 Vario and 516 Vario models, covers the performance range from 125 to 165 hp. The new 500 Vario tractors are powered by a 4.04 litre 4-cylinder-Deutz engine with 4 valves per cylinder and common rail injection and have a maximum output of 165 hp in the top model, the 516 Vario. For the 500 Vario series, Fendt also relies on the fuel-saving SCR technology for compliance with emissions standard Euro 3b (Tier IV interim). This technology, familiar from the 700, 800 and 900 Vario high-horsepower tractor series, has already impressively proven its superior fuel economy in neutral PowerMix tests on the 800 and 900 Varios. With 240 g/kWh, the 936 Vario achieved the previously unattained best result in the DLG PowerMix Test. Since exhaust after-treatment with AdBlue urea solution takes place after the combustion process, and external exhaust gas recirculation is not required, the engine can be optimally tuned. Therefore, in addition to improving fuel economy, it also increases power and makes handling livelier. The engines on the new 500 Varios thus combine exceptionally low fuel consumption with tremendous performance. This makes the 500 Vario a new representative of the Fendt Efficient Technology. The high effectiveness of the time-tested Vario transmission ML 90 ensures an efficient drive train. Stepless speed adjustment provides enormous potential for savings in time and money. With the TMS Tractor Management System, the tractor is always working at an economic optimum. Operators only need to enter the desired speed; then the activated TMS controls the engine and transmission – that means efficiency fully automatically. New in the 500 Vario is the automatic maximum output control.

The new VisioPlus cab – visibility without limits

The new Fendt VisioPlus cab, familiar from the 700 Vario tractor series, offers maximum comfort and exceptional visibility. The windscreen curves up into the roof and provides a full view, for example, of the raised front loader. More room and nearly six square metres of glazing make the cab feel very spacious. When developing the 500 Vario, special focus was placed on an ergonomically designed operating environment. All functions are optimally placed in the new Varioterminal and the right armrest, which moves along with the driver seat. Together with the intelligent control concept and the high-quality workmanship, you experience the kind of comfort that significantly increases performance. The interior boasts impressive high-quality workmanship. As is typical for Fendt, the controls are logically placed and well thought-out and the Vario is easy to control.

Comfortably equipped

As part of the new Varioterminal, the Variotronic, VarioGuide automatic steering system, camera function, VarioDoc documentation system and ISOBUS implement control have found their way into this power class. Thanks to the VarioGuide automatic steering system, it is possible to work longer periods of time in the tractor, whether day or night, and to concentrate fully on the implement. Precise driving is possible, even when visibility is very poor. Precise work in the grassland and field boosts area coverage. The 500 Vario offers the ideal automated functions for pass-to-pass work. The powerful hydraulics allows a wide range of applications for implements designed for this power class. The right armrest is the central operating element. Even during turning manoeuvres, there is no need to switch between controls in the 500 Vario, because operators can comfortably rest their arm on the right armrest and control the tractor and implement with the multi-function joystick and the Varioterminal.

An average of six percent less overlapping, as well as savings in fuel and operating materials, such as seeds and fertilizer, are possible with VarioGuide. In addition, with the VarioDoc documentation system, all relevant data can be logged with the lowest effort possible and in the shortest amount of time, and then documented in the field record and analyzed.

Intelligent technology at the front and rear

The Fendt 500 Vario offers many more interfaces than any other tractor in its power class: up to five electrohydraulic double-acting valves at the rear plus two separate in the front, power beyond, ISOBUS connection and much more. Overall, the 500 Vario has more than 22 connections, which are practicably located at the front and rear. That guarantees versatile operations and trouble-free connection of implements.

The compact 500 Vario is also fast, flexible and manoeuvrable in transport work. A top speed of 50 km/h at a reduced engine speed enables swift and, most importantly, economical on-road driving. The self-levelling front axle suspension, Fendt Reaction steering system, shock load stabilising, cab suspension, seat suspension and automatic steering axle lock, ensure the best ride comfort and safety on the road as well as ideal ergonomics.

Thanks to its high performance, combined with a compact and manoeuvrable vehicle design, the Fendt 500 Vario permits a wide range of applications in the field or farmyard. Whether for specialty operations in contracting, municipal or forestry applications – with the 500 Vario, you are always well-equipped.

The new 500 Vario is exceptionally well-suited for front loader work with the Fendt Cargo. The upward viewing angle has tripled, thanks to the new windscreen, and operators now have a full view of the raised front loader. The windscreen on the 500 Vario can be fully opened at any time during front loader operation. The Fendt Cargo can be easily controlled with the standard specification crossgate lever.

The legendary Fendt Favorit 500

The legendary reputation of the Fendt 500 series already began in the 1990's. The flagship, the Favorit 515 C, was especially popular with farmers and agricultural contractors. The new 500 Vario was developed by building upon this expertise. It represents efficiency, compactness, reliability and low fuel consumption with high performance. The Fendt 500 Vario is available in the 500 Vario ProfiPlus, 500 Vario Profi and 500 Vario Power equipment levels. In terms of technical features, the 500 Vario Power is a modified vehicle and cannot be upgraded to the higher equipment levels.

The 500 Vario ProfiPlus and the 500 Vario Profi will become available at the end of the year and the 500 Vario Power starting January 2013.