

FENDT



THE NEW 500 VARIO GEN4 SERIES. YOUR ULTIMATE WORK PARTNER.

The new Fendt® 500 Vario Gen4 Series delivers legendary Fendt efficiency and technology—including VarioDrive™ and VarioGrip™—in a nimble, versatile utility tractor built for everyday jobs.

- Mid-power Tractor of the Year for 2026 (Fendt 516 Vario Gen4).
- Gen4 redesign brings updated powertrain including AGCO Power™ 5 liter engine and VarioDrive transmission.
- Versatile, efficient, comfortable.

FENDT 500 VARIO GEN4 SERIES SPOTLIGHTS

Solutions that make the difference.

- From 134 to 164 HP.** All four models in the new 500 Vario Gen4 Series exceed expectations with the AGCO Power CORE50 engine and up to 10 HP added power with Fendt DynamicPerformance™.
- Intelligent VarioDrive.** New on the 500 Vario, the Fendt VarioDrive drivetrain enables seamless, intuitive operation from 65 ft. per hour to 31 mph. Its pull-in turn effect improves the turning ratio for easy maneuvering in tight spaces.
- Fendt iD™ Low Engine Speed Concept.** Handle heavy work efficiently at lower engine speeds for reduced fuel consumption, longer engine life, and smooth, quiet operation.
- Fendt VarioGrip.** With this added option, 500 Vario Gen4 operators now can adjust tire inflation from the cab to reduce compaction and tire wear while improving traction and transport comfort.
- Easier Operation Through Updated Systems.** New systems add greater stability and ease of use: Trailer brake assistant, wear-free auxiliary brake, automatic parking brake and automatic steering axle lock on trailed implements.
- FendtONE™ Workstation in VisioPlus™ Cab.** Customize and program the FendtONE system to fit your operation and way of working onboard and offboard with the terminal's intuitive user interface and multi-function joystick in the comfortable cab with its generous panoramic window.
- GroundVision™ Lighting and Cameras.** With GroundVision, two integrated fender spotlights provide a clear view of the rear implement area, day or night. Adding the high-resolution, digital front hood and rear cameras can make mounting and monitoring implements easier and efficient.

SPECIFICATIONS

Engine	513 Vario	514 Vario	515 Vario	516 Vario
Rated/maximum power ECE R 120 (HP/kW)	134 / 99	144 / 106	154 / 113	164 / 121
Maximum power with DP ECE R 120 (HP/kW)	144 / 106	154 / 113	164 / 121	174 / 128
No. of cylinders/cooling/cylinder bore X stroke	4 @ 4.33 in (110 mm) X 5.19 in (132 mm)			
Displacement	306 cu. in / 5.017 L			
Rated engine speed	1,900 rpm			
Max. Torque at 1,300 rpm (ft-lbs/Nm)	480.2 / 651	515.8 / 698	549.5 / 745	584.1 / 792
Tank capacities	Fuel tank: 76.6 gal / 290 L • DEF tank: 9.2 gal / 35 L			
Transmission / PTO				
Transmission type / model	Stepless VarioDrive Transmission / TA 120			
Speed range	Forward -- 65 ft./hr. (.012 mph) to 31 mph / 0.02 km/h to 50 km/h • Reverse -- 65 ft./hr. (.012 mph) to 20.5 mph / 0.02 km/h to 33 km/h			
Rear PTO	540 / 540E / 1,000 / 1,000E			
Front PTO option	1,000			
Engine speed for rear PTO (PTO rpm @ engine rpm)	540 @ 1,801 / 540E @ 1,432 / 1,000 @ 1,833 / 1,000E @ 1,457			
Engine speed for front PTO (PTO rpm @ engine rpm)	1,000 @ 1,833			
Power Lift and Hydraulics				
Variable-flow hydraulic pump capacity (standard)	29 gpm / 110 L/min			
Variable-flow hydraulic pump capacity, Option 1	40.2 gpm / 152 L/min			
Max. number of valves (front/center/rear) Profi / Profi+	2 / 3 / 5			
Max. available hydraulic oil volume	13.47 gal / 51 L			
Control valve flow	31.7 gpm / 120 L/min (DUDK)			
Max. rear power lift capacity	17,648 lbs / 8,005 kg			
Continuous rear power lift capacity	14,748 lbs / 6,690 kg			
Max. front power lift capacity	7,495 lbs / 3,400 kg			
Electrical Equipment				
Batteries	1			
Battery power	180 Ah / 12 V			
Alternator	14 V / 220 A			
Weights / Dimensions				
Empty weight (base tractor with cab, full tanks, no driver)	15,101 lbs / 6,850 kg			
Max. permissible overall weight	25,904 lbs / 11,750 kg			
Max. permissible front axle load	11,023 lbs / 5,000 kg			
Max. permissible rear axle load	21,164 lbs / 9,600 kg			
Max. trailer hitch drawbar load	4,409 lbs / 2,000 kg			
Overall length	195.3 in / 4,961 mm			
Track width rear	70.9 in / 1,800 mm			
Total height cab (with • without Fendt Guide)	119.7 in / 3,025 mm • 117.1 in / 2,975 mm			
Max. ground clearance	18.9 in / 480 mm			
Wheelbase	100.8 in / 2,560 kg			

* Dimensions are with standard tires. Values subject to change.