

**FENDT**<sup>®</sup>



# **THE 1000 VARIO SERIES. THE MOST ADAPTABLE FIXED-FRAME TRACTOR.**

- Built for the biggest implements.
- Commanding visibility, day or night.
- Comfort that works as hard as you do.
- Ready for autonomy.

# FENDT 1000 VARIO SERIES SPOTLIGHTS

Solutions that make the difference.

- From 426 to 550 HP.** Four all-new models pack serious power with DynamicPerformance.
- DynamicPerformance (DP).** Intelligent power-boost system delivers extra horsepower exactly when you need it.
- 360° LED Lighting.** All-new CAN-based system for full visibility, day or night.
- Adaptive Power.** Situational power control to adjust engine horsepower for lighter duty work to protect implements and increase fuel efficiency.
- Operator Comfort Upgrades.** Options include foot pegs, cabin dust extraction, improved coolbox, and Apple CarPlay.
- Autonomy Compatible.** Fully unlocked and future-proofed for autonomous operation.
- VarioDrive.** Seamless, intuitive transmission operation from 65 ft. per hr to 33 MPH. Independent front and rear hydraulic transmission motors to divert power and reduce slip.
- Fendt iD Low Engine Speed Concept.** Achieve higher levels of torque at lower engine speeds for reduced fuel consumption, improved engine longevity, and smooth, quiet operation.
- FendtONE.™** Customize your operation with up to two 12" monitors, one of which retracts from the roof liner. Control nearly every aspect of machine operation with the customizable multi-function joystick.
- Dual Pump, Dual Circuit, On-Demand Hydraulics.** Up to 113 GPM hydraulic system output provides unmatched dedicated hydraulic performance to power the largest and most demanding implements.

## SPECIFICATIONS

Engine	1040 Vario	1044 Vario	1048 Vario	1052 Vario
Rated/maximum power (HP/kW)	400/294	440/324	480/353	520/383
Rated/maximum power with DP ECE R 120 (HP/kW)	426/313	466/343	507/373	550/405
No. of cylinders/cooling/cylinder bore X stroke	6/water/4.96 in (126 mm) X 6.54 in (166mm)			
Displacement	757 cu in/ 12.419 L			
Rated engine speed	1,700 rpm			
Torque rise	19%	18%	18%	17%
Tank capacity	Fuel tank: 195.5 gal / 740 L. AdBlue tank: 20.9 gal / 79 L			
<b>Transmission / PTO</b>				
Type/model	Stepless VarioDrive Transmission / TA400			
Speed range	Forward – 65 ft. / hr. (.012 mph) to 33 mph / 0.02 km/h to 50 km/h Reverse – .012 mph to 21 mph / 0.02 km/h to 33 km/h			
Engine speed at top speed of 33 mph / 50 km/h	1,200 rpm			
Rear PTO option	1000 / 1000E			
<b>Power Lift and Hydraulics</b>				
Variable-flow hydraulic pump capacity (standard)	58 gpm / 220 L/min			
Optional dual-circuit, dual-pump system capacity	113.5 (55.5 + 58) gpm / 430 (210 + 220) L/min			
Working pressure	2,900 psi / 200 bar			
Max. number of valves with Profi+	1 front / 6 rear			
Max. available hydraulic oil volume	26.42 gal / 100 L			
Standard control valve flow (all valves)	37 gal / 140 L			
High-flow control valve options (3 and 4)	44.9 gal / 170 L			
Front valve flow	31.7 gal / 120 L			
Max. rear power lift capacity (at the coupling point)	29,057 lbs / 13,180 kg			
Continuous rear power lift capacity according to OECD (24 in. behind the coupling point)	22,000 lbs / 9,979 kg			
Max. front power lift capacity (at the coupling point)	12,540 lbs / 5,688 kg			
<b>Electrical Equipment</b>				
Battery power	12 V / 180 Ah			
Alternator	14 V / 320 A			
Alternator (V / A)	14 V / 2 x 160 A			
<b>Weights/Dimensions*</b>				
Empty weight (base tractor with cab, full tanks, no driver)	30,865 lbs / 14,000 kg			
Max. permissible overall weight	50,706 lbs/ 23,000 kg			
Max. permissible front axle load	22,046 lbs / 10,000 kg			
Overall length	250 in / 6,350 mm			
Maximum ground clearance	22.64 in / 575 mm			
Wheelbase	129.92 in / 3,300 mm			

\* Dimensions calculated with Trelleborg VF380/85R46 front tires and Trelleborg Dual VF480/95R54 rear tires.