

FENDT



THE 800 VARIO GEN5 SERIES. SMART POWER. SERIOUS CAPABILITY.

The new Fendt 800 Vario Gen5 Series delivers the power you need, with efficiency designed for daily operations. A smart balance of horsepower, efficiency, and versatility—sized to handle demanding work.

- Fifth generation of a trusted workhorse.
- Strong, efficient, comfortable.
- New engine; new cab; new 360° lighting.

FENDT 800 VARIO GEN5 SERIES SPOTLIGHTS

Solutions that make the difference.

- From 283 to 343 HP.** All three models in the 5th generation 800 Vario Series deliver bold performance 24/7 with the new AGCO Power™ CORE80 6-cylinder engine and the Fendt DynamicPerformance™ extra-power concept.
- 360° LED Lighting with UltraVision.** All-new CAN-based lighting system delivers. Up to 114,700 lumens for full visibility, day or night.
- Intelligent VarioDrive™.** Seamless, intuitive transmission operation from 65 ft. per hour to 31 mph. Independent front and rear hydraulic transmission motors divert power and reduce slip.
- Fendt iD™ Low Engine Speed Concept.** Handle heavy-duty field work efficiently at lower engine speeds for reduced fuel consumption, longer engine life, and smooth, quiet operation.
- Dual-pump, Dual-Circuit, On-Demand Hydraulics.** Up to 101.7 GPM hydraulic system output for unmatched, dedicated hydraulic performance ideal for demanding implements.
- VarioGrip™.** Fendt's optional integrated tire pressure control system reduces compaction and tire wear, while improving traction and transport safety.
- FendtONE™ Workstation Technology.** Customize and program the FendtONE system to fit your operation and way of working onboard and offboard with up to two 12-inch in-cab monitors, the customizable multi-function joystick and more.
- Cab Upgrades for Comfort.** Includes a large coolbox and modern, hands-free infotainment system plus optional premium massage seat and cabin dust extraction.

SPECIFICATIONS

Engine	826 Vario	829 Vario	832 Vario
Rated/maximum power ECE R 120 (HP/kW)	260 / 191	290 / 213	320 / 235
Rated/maximum power with DP ECE R 120 (HP/kW)	283 / 208	313 / 230	343 / 252
No. of cylinders/cooling/cylinder bore X stroke	6 @ 4.33 in. (110 mm) X 5.47 in. (139 mm)		
Displacement	483.64 cu. in / 7.926 L		
Rated engine speed	1,700 rpm		
Torque rise	24%	20%	18.5%
Tank capacities	Fuel tank: 142.65 gal / 540 L • AdBlue tank: 17.1 gal / 65 L		
Transmission / PTO			
Transmission type / model	Stepless VarioDrive Transmission / TA 250		
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 @ 1,618 / 540E @ 1,405 / 1,000 @ 1,649 / 1,000E @ 1,432		
Engine speed for front PTO (PTO rpm @ engine rpm)	1,000 @ 1,647		
Power Lift and Hydraulics			
Variable-flow hydraulic pump capacity (standard)	43.6 gpm / 165 L/min		
Dual-circuit, dual-pump system capacity, Option 1	58.1 gpm / 220 L/min		
Dual-circuit, dual-pump system capacity, Option 2 (combined)	101.7 (43.6 + 58.1) gpm / 385 (165 + 220) L/min		
Max. number of valves (front/center/rear) Profi / Profi+	2 / 0 / 6		
Max. available hydraulic oil volume	22.45 gal / 85 L		
Standard control valve flow (Valves 1, 2, 5, 6)	37 gpm / 140 L/min (DUDK)		
High-flow control valve options (Valves 3, 4)	37 – 45 gpm / 140 – 170 L/min (DUDK)		
Max. rear power lift capacity (at the coupling point)	23,149 lbs / 10,500 kg		
Continuous rear power lift capacity according to OECD (24 in. behind the coupling point)	19,416 lbs / 8,807 kg		
Max. front power lift capacity (at the coupling point)	11,685 lbs / 5,300 kg		
Electrical Equipment			
Batteries	1 / 2 *		
Battery power	180 Ah / 12 V		
Alternator	14 V / 250 A		
Weights / Dimensions			
Empty weight (base tractor with cab, full tanks, no driver)	21,825 lbs / 9,900 kg		
Max. permissible overall weight	38,581 lbs / 17,500 kg		
Max. permissible front axle load	16,093 lbs / 7,300 kg		
Max. trailer hitch drawbar load	4,409 lbs / 2,000 kg		
Overall length	222.4 in / 5,650 mm		
Track width rear	60 in / 1,524 mm		
Max. ground clearance	24.25 in / 616 mm		
Wheelbase	118.9 in / 3,020 kg		

* When ordering with M038 Values subject to change.

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