

FENDT

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2013 PRODUCT INFORMATION



800 Series 822 | 185 pto hp • 824 | 205 pto hp • 826 | 225 pto hp • 828 | 245 pto hp



THE BEST RUN OPERATIONS RUN FENDT

The best run operations run Fendt.

Since 1928, Fendt has been recognized as the world leader in tractor technology. In the past eight-plus decades, Fendt has been the first with a CVT transmission, first with a multi-point cab suspension system and the first with full control of all drive functions and hydraulics via a single joystick. Even today, Fendt offers features that are unavailable at any price on other farm tractors.

As the second generation of Fendt 800 Series tractors, the new 800 Series take productivity to new heights with more horsepower, lower emissions and more technology. Four new models take these compact high-horsepower tractors into the 220 to 280 engine horsepower range.

Model	Engine Max Power	PTO Power ¹
822	220 hp / 162 kW	185 hp / 136 kW
824	240 hp / 176 kW	205 hp / 150 kW
826	260 hp / 191 kW	225 hp / 165 kW
828	280 hp / 206 kW	245 hp / 180 kW

First in every field

First front axle suspension

First stepless transmission

First cab suspension

Introduced stabilization control and reactive steering

Pioneered tractor/implement control systems

First terminal in a tractor

Pioneered electronically controlled spool valves for hydraulics



AGCO • 4205 River Green Parkway, Duluth, GA 30096 • Fax 770.813.6038 • www.fendt.com

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Specifications

	822	824	826	828
Engine				
Rated power (kW / hp) (ECE R24)	147 / 200	162 / 220	176 / 240	191 / 260
Max. power (kW / hp) (ECE R24)	162 / 220	176 / 240	191 / 260	206 / 280
PTO power (kW / hp) ¹⁾	136 / 185	150 / 205	165 / 225	180 / 245
No. of cylinders / cooling	6 / water	6 / water	6 / water	6 / water
Aspiration	Electronically controlled wastegate turbocharger with air-to-air aftercooling			
Engine compression ratio	18 : 1	18 : 1	18 : 1	18 : 1
Cylinder bore/stroke (mm / in.)	101/126 / 4/5	101/126 / 4/5	101/126 / 4/5	101/126 / 4/5
Cubic capacity (cm ³ / in. ³)	6056 / 370	6056 / 370	6056 / 370	6056 / 370
Rated engine speed (rpm)	2100	2100	2100	2100
Engine speed at max. power (rpm)	1900	1900	1900	1900
Torque rise (%)	37	36	35	35
Fuel tank (l / gal.)	505 / 133	505 / 133	505 / 133	505 / 133
DEF fluid (l / gal.)	42 / 11	42 / 11	42 / 11	42 / 11
Oil change interval (op. hrs.) ³⁾	500	500	500	500
Operator sound level dB (A)	68	68	68	68
Transmission & PTO				
Type	Model ML200 continuously variable transmission			
Speed range: Range I - field (forward / reverse)	0.02 to 35 km/h / 0.02 to 20 km/h		0.01 to 22 mph / 0.01 to 12 mph	
Range II - road (forward / reverse)	0.02 to 50 km/h / 0.02 to 33 km/h		0.01 to 31 mph / 0.01 to 21 mph	
Maximum speed (km/h / mph)	50 / 31	50 / 31	50 / 31	50 / 31
Transmission oil change interval (op. hrs.)	2000	2000	2000	2000
Rear PTO (rpm)	540E / 1000 or 1000 / 1000E			
Power lift				
Displacement pump (200 bar) (l/min / gal./min)	152 or 193 or 109 / 40 or 51 or 29	152 or 193 or 109 / 40 or 51 or 29	152 or 193 or 109 / 40 or 51 or 29	152 or 193 or 109 / 40 or 51 or 29
Hydraulic Flow Capacity at Remote Valves (l / gal)	100 / 26.4	100 / 26.4	100 / 26.4	100 / 26.4
Optional high flow hydraulic valve (l / gal)	140 / 37	140 / 37	140 / 37	140 / 37
Rear power lift control	EPC	EPC	EPC	EPC
Max. auxiliary valves, (standard)	8 da; 6 rear, 2 front (4 da)			
Rear 3-point lift capacity, rear linkage on the drawbar (kg / lbs.)	8500 / 18739	8500 / 18739	8500 / 18739	8500 / 18739
Front 3-point lift capacity, front linkage (kg / lbs.)	3364 / 7416	3364 / 7416	3364 / 7416	3364 / 7416
Weights & dimensions				
Unladen weight (kg / lbs.)	9300 / 20503	9300 / 20503	9450 / 20834	9450 / 20834
Perm. overall weight (kg / lbs.)				
50 km/h (31 mph) (single-circuit brake)	14000 / 30865	14000 / 30865	14000 / 30865	14000 / 30865
50 km/h (31 mph) (dual-circuit brake)	16000 / 35274	16000 / 35274	16000 / 35274	16000 / 35274
Max. vertical hitch load with standard tires and 50 km/h (31 mph) (kg / lbs.)	2000 / 4409	2000 / 4409	2000 / 4409	2000 / 4409
Overall length (mm / in.)	5274 / 208	5274 / 208	5274 / 208	5274 / 208
Overall width (mm / in.)	2550 / 100	2550 / 100	2550 / 100	2550 / 100
Overall height (mm / in.)	3270 / 129	3270 / 129	3270 / 129	3270 / 129
Ground clearance (mm / in.) ²⁾	513 / 20	513 / 20	567 / 22	567 / 22
Wheelbase (mm / in.)	2900 / 114	2900 / 114	2900 / 114	2900 / 114
Min. turning circle (m / ft.) ⁴⁾	5.4 / 18	5.4 / 18	5.6 / 18.4	5.6 / 18.4
Electrical equipment				
Starter (kW / A)	4.0 / 333	4.0 / 333	4.0 / 333	4.0 / 333
Battery (V/Ah)	12 / 170	12 / 170	12 / 170	12 / 170
Alternator (V/A)	14 / 2x150	14 / 2x150	14 / 2x150	14 / 2x150

1) = manufacturer's estimate subject to revision upon receipt of official test results, 2) = with standard tires, 3) = is halved when using RME biodiesel, 4) = w/o steering brake, with 540/65R30