

Technical Specifications

Fendt	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
Rated power (kW/hp) (EC 97/68) ⁴⁾	159 / 216	174 / 237	188 / 256	203 / 276
Max. power (kW/hp) (EC 97/68)	166 / 226	182 / 248	195 / 265	211 / 287
No. of cylinders / cooling	6/water	6/water	6/water	6/water
Cylinder bore / stroke (mm)	101 / 126	101 / 126	101 / 126	101 / 126
Cubic capacity (cm ³)	6056	6056	6056	6056
Rated engine speed (rpm)	2100	2100	2100	2100
Engine speed at max. power (rpm)	1900	1900	1900	1900
Max. torque (1450/rpm)	955	1040	1120	1210
Torque rise (%)	37	36	35	35
Optim. fuel consumption (g/kWh)	192	192	192	192
Fuel tank (l)	505	505	505	505
AdBlue [®] (l)	42	42	42	42
Oil change interval (op. hrs.)	500	500	500	500

Transmission and PTO				
Type	continuously variable Vario transmission			
Speed range:				
Range I - field (forward / reverse)	0.02 to 35 km/h / 0.02 to 20 km/h			
Range II - road (forward / reverse)	0.02 to 60 km/h / 0.02 to 33 km/h			
Maximum speed (km/h)	60	60	60	60
Rear PTO (rpm)	540E / 1000 or 1000 / 1000E			
Front PTO (rpm) ¹⁾	1000			

Hydraulics and linkage				
Displacement pump (200 bar) (l/min)	152	152	152	152
Rear power lift control	EPC	EPC	EPC	EPC
Max. auxiliary valves, (standard)				
Power version:	4 da ³⁾ (3 da ³⁾) electr. valves			
Profi version:	8 da ³⁾ (4 da ³⁾) electr. valves / crossgate lever			
Profi Plus version:	8 da ³⁾ (4 da ³⁾) electr. valves / crossgate lever			
Max. lift capacity, rear linkage on the drawbar (kN/kp)	11110	11110	11110	11110
Max. lift capacity, front linkage (daN)	5030	5030	5030	5030
Implement weight / front linkage up to (kg)	3364	3364	3364	3364

Weights and dimensions				
Unladen weight	9300	9300	9450	9450
Perm. overall weight (kg)				
for 40 km/h / 50 km/h (single-circuit brake)	14000	14000	14000	14000
for 40 km/h / 50 km/h (dual-circuit brake)	16000	16000	16000	16000
for 60 km/h (dual-circuit brake)	14000	14000	14000	14000
Max. vertical hitch load with standard tyres and 60 km/h (kg)	2000	2000	2000	2000
Overall length (mm)	5274	5274	5274	5274
Overall width (mm)	2550	2550	2550	2550
Overall height (mm)	3270	3270	3270	3270
Ground clearance (mm) ²⁾	513	513	567	567
Wheelbase (mm)	2900	2900	2900	2900
Track width front (mm) ²⁾	2000	2000	2000	2000
Track width rear (mm) ²⁾	1970	1970	1970	1970
Min. turning circle (m) ⁵⁾	5,4	5,4	5,4	5,4

Electrical equipment				
Starter (kW)	4.0	4.0	4.0	4.0
Battery (V/Ah)	12 / 170	12 / 170	12 / 170	12 / 170
Alternator (V/A)	14 / 2x150	14 / 2x150	14 / 2x150	14 / 2x150

¹⁾ = optional, ²⁾ = with standard tyres, ³⁾ = can also be operated as single-acting, ⁴⁾ = definitive power specifications for registration, ⁵⁾ = without steering brake, with 540/65R30

Fendt	822	824	826	828
Tyres				
Standard front	540/65 R 30	540/65 R 30	540/65 R 34	540/65 R 34
Standard rear	650/65 R 42	650/65 R 42	650/85 R 38	650/85 R 38
Optional front	540/65 R 34	540/65 R 34	600/70 R 30	600/70 R 30
Optional rear	650/85 R 38	650/85 R 38	710/70 R 42	710/70 R 42
Optional front	600/70 R 30	600/70 R 30	710/60 R 30	710/60 R 30
Optional rear	710/70 R 42	710/70 R 42	900/60 R 38	900/60 R 38

Standard and optional equipment	Power	Profi	ProfiPlus
Vario controls			
Joystick with cruise control and engine speed memory	●	⊘	⊘
Multi-function joystick with cruise control, engine speed memory, automated functions, controls for hydraulics	⊘	●	●
Varioterminal 7" with both touchscreen and key control	●	●	⊘
Varioterminal 10.4" with both touchscreen and key control	⊘	□	●
Variotronic implement control for ISOBUS	□ ¹⁾	●	●
Variotronic TM - Headland Management System	⊘	●	●
Vario TMS - engine-transmission management system	●	●	●
VarioDoc - Documentation system	⊘	□	●
VarioDoc Pro - Documentation system	⊘	□	□
Automated steering system ready kit	⊘	⊘	● ²⁾
VarioGuide automated steering system	⊘	⊘	□
Electronic immobiliser	●	●	●

Cab	Power	Profi	ProfiPlus
Mechanical cab suspension 3-point	●	●	●
Pneumatic cab suspension, 3-point with integral levelling	□	□	□
Reversing driver station for 2-way operation	□	□	□
Height and tilt-adjustable steering column	●	●	●
Super comfort seat, air sprung, low frequency suspension	●	●	●
Super comfort seat Evolution with climate control	□	□	□
Super comfort seat Evolution with climate control and active suspension	□	□	□
Passenger seat with automatic seat belt	●	●	●
Comfort passenger seat	□	□	□
Radio mounting kit with two stereo loudspeakers	●	●	●
Dual radio slot with four loudspeakers	□	□	□
Blaupunkt Radio CD MP3 with sound system	□	□	□
Radio CD MP3 Blaupunkt with hands-free speaking system, sound system	□	□	□
Factory-installed tachograph	□	□	□
Integral automatic air-conditioning	●	●	●
Toxic filter (aerosol)	□	□	□
Rear window wash/wipe	□	●	●
Side view mirror, electrically adjustable and heated	□	●	●
Side mirror mechanically adjustable	●	⊘	⊘
Wide angle mirror	□	□	□
Interior mirror	□	●	●
Work lights, 2x roof rear, 1x roof front	●	●	●
Work lights A-pillar, rear mudguards	□	□	□
Work light Xenon A-pillar, mudguard rear, roof front	□	□	□
Work light LED A-pillar, mudguard rear	□	□	□
LED rear lights	□	□	□
Bracket for additional device	□	□	□
Air-conditioned cool box	□	□	□

Engine	Power	Profi	ProfiPlus
Automatic load limit control	●	●	●
Fuel pre-filter	●	●	●
Heated fuel prefilter	□	□	□
Preheater package (engine, transmission, hydraulic oil)	□	□	□
Exhaust brake	□	□	□

Transmission	Power	Profi	ProfiPlus
Shuttle function, Stop&Go-function	●	●	●
Acoustic signal when reversing	□	□	□

Chassis / safety features	Power	Profi	ProfiPlus
Dual-circuit braking system, FSC Fendt Stability Control	⊘	●	●
Single-circuit braking system, 1 pedal	●	□	□
Single-circuit brakes, 2 pedals, steering clutch brake	□	□	□
Compressed air system	●	●	●
Automatic trailer steering axle lock	□	□	□

Standard and optional equipment	Power	Profi	ProfiPlus
4WD / differential locks			
Comfort engagement 4WD / differential lock	●	●	●
Rear / front differential with 100% disc locking	●	●	●

Power shift PTO	Power	Profi	ProfiPlus
Rear: Flange PTO 540E/1000 rpm	●	●	●
Rear: Flange PTO 1000/1000E rpm	□	□	□
Front: 1000 rpm	□	□	□
External rear PTO controls	●	●	●

Hydraulics	Power	Profi	ProfiPlus
Load sensing system with axial piston pump (152 l/min)	●	●	●
109 l/min delivery capacity	□	□	□
193 l/min delivery capacity	□	□	□
Electrohydraulic power lift da (EPC), with external actuation	⊘	●	●
Electrohydraulic linkage sa (EPC), with external actuation	●	⊘	⊘
hydraulic lower link lateral stabilisation	□	□	□
Radar anti-slip control	□	□	□
QC hydraulic top link	□	□	□
Lower link hooks cat. 4	□	□	□
Hydraulic connection external (load-sensing)	□	□	□
Hydraulic valve actuation crossgate lever, multi-function joystick	⊘	●	●
External controls for hydraulic control unit rear	●	●	●
Double connect-under-pressure lever couplings rear	□	□	□
Easy ballast mounting for front weights	● ³⁾	□ ³⁾	□ ³⁾
Front linkage sa, with external actuation	□	●	●
Comfort front power lift da, with position control, external actuation	⊘	□	□

Body	Power	Profi	ProfiPlus
Manual hitch	●	□	□
Auto. hitch with remote control, rear	□	●	●
Ball-type coupling, height adjustable	□	□	□
Ball-type coupling incl. frame	□	□	□
Forced steering (one or two-sided)	□	□	□
Hitch coupling	□	□	□
Swinging drawbar	□	□	□
Piton fix	□	□	□
Compressed air Duomatic coupling	□	□	□
Rotating beacon	□	□	□
Wide vehicle markers	□	□	□
Pivoting front mudguards	●	●	●
Dual tyres rear	□	□	□
Dual tyres front	□	□	□
Front weights, various sizes	□	□	□
Wheel ballast weights rear wheels	□	□	□
Design Line	□	□	□
Removable tool box	□	□	□

¹⁾ = controlled with Varioterminal ²⁾ = including VarioGuide roof hatch, ³⁾ = not possible with front linkage
The Fendt on-line configurator: Here you can put together your own custom Fendt according to your wishes. Visit www.fendt.com.