FENDT 500 VARIO

Equipment variants.*

Standard and optional equipment
Standard: ■
Optional: □

	Power	Power+	Profi	Profi+
Engine				
Fuel pre-filter (heated)	□	□	□	□
Preheater unit (engine, transmission, hydraulic oil)	□	□	□	□
Transmission				
Shuttle function, stop-and-go function	■	■	■	■
Acoustic signal when reversing	□	□	□	□
Guidance system				
Guidance system basic package		■		■
Standard Trimble / NovAtel		□		□
RTK Trimble / NovAtel		□		□
TI Headland (TI Auto & TI Turn)				
Contour Assistant		□		□
Agronomy				
Agronomy basic package		□		■
Telemetry				
Telemetry basic package		□	□	■
Smart Connect				□
Machine control				
Machine control basic package (ISOBUS)		■	■	■
Front implement control (ISOBUS)			□	□
Section Control (SC)		□		□
Variable Rate Control (VRC)		□		□
Vario operation				
Multi-function joystick with cruise control, engine speed memory, automatic modes, controls for hydraulics	■	■	■	■
3L joystick		□	□	□
Individual Operation Manager – flexible key assignment	■	■	■	■
Digital Dashboard	■	■	■	■
12" terminal with touchscreen and key control	□	■	■	■
Second 12" terminal in roof			□	□
Electronic immobiliser	□	□	□	□
Cab				
Mechanical cab suspension	■	■	■	■
Pneumatic cab suspension	□	□	□	□
Super comfort seat 3-point belt	□	□	□	□
Comfort seat, air sprung	■	■	■	■
Super Comfort Seat, air sprung	□	□	□	□
Super comfort seat Evolution dynamic / CA	□	□	□	□
Super Comfort Seat Evolution dynamic DuMo/CA	□	□	□	□
Super Comfort Seat Evolution dynamic DuMo leather / CA			□	□
Comfort instructor seat			■	■
Air-conditioning	■	■	■	■
Integrated automatic climate control	□	□	□	□
Split windscreen and door on right	□	□	□	□
Continuous windscreen	■	■	■	■
One-piece windscreen and door on right	□	□	□	□
Rear window heated	□	□	□	□
Segment wipers front	■	■	□	□
300°-front windscreen wipers (with continuous windscreen)	□	□	■	■
Rear window wash/wipe	□	□	□	□
Rear view mirror and wide-angle mirror electrically adjustable, heated			□	□
Terminal bracket	□	□	□	□
Radio mounting kit with two stereo speakers	■	■	■	■
Infotainment package	□	□	□	□
Infotainment bundle + 4.1 sound system			□	□
4 USB ports			□	□
Chassis				
Front axle suspension self-levelling, lockable	■	■	■	■
Steering brake	■	■	■	■
Automatic trailer steering axle lock			□	□
Compressed air system 2-circuit system	□	□	□	□
Compressed air Duomatic coupling	□	□	□	□
Power lift				
5a front power lift, with external control (separate valve)	□	□	□	□
Comfort front power lift da, with position control, external controls	□	□	□	□
Comfort front power lift da, with position control and relief control, external controls	□	□	□	□
Electrohydraulic power lift da (EHR), with external controls			□	□
Electrohydraulic power lift sa (EHR), with external controls	■	■	■	■
PTO				
Front: 1000 rpm	□	□	□	□
Rear PTO 540/540E/1000 rpm	■	■	■	■
Rear PTO 540E/1000/1000E rpm	□	□	□	□
Rear: Flanged PTO 540/1,000 rpm	□	□	□	□
Hydraulics				
EHS valve actuation crossgate lever, multi-function joystick	□	■	■	■
EHS valve actuation linear module	□	■	■	■
External control for hydraulic control unit at rear	□	□	□	□
Load sensing system with axial piston pump (75 l/min)	■	■		
Load sensing system with axial piston pump (110 l/min)	□	□	■	■
Load sensing system with axial piston pump (158 l/min)			□	□
1st and 2nd EHS valve at rear	■	■	■	■
3rd EHS valve at rear	□	□	□	□
4th EHS valve at rear	□	□	□	□
5th EHS valve at rear			□	□
1st front EHS valve	□	□	□	□
2nd front EHS valve			□	□
Hydraulic power beyond connection	□	□	□	□
Unpressurised rear return flow	□	□	□	□
Double connect-under-pressure lever couplings rear	□	□	□	□
CUP coupling rear	■	■	■	■
Bio hydraulic oil	□	□	□	□
Additional equipment				
Manual hitch	■	■	■	■
Automatic trailer hitch with remote control, rear	□	□	□	□
Ball coupling, height adjustable	□	□	□	□
Ball coupling in the bottom hitch	□	□	□	□
Hitch	□	□	□	□
Drawbar	□	□	□	□
Piton-fix	□	□	□	□
Comfort ballast for front-end weight (not available with front power lift)	□	□	□	□
Wheel weights, rear wheels	□	□	□	□
Forced steering (one or two-sided)	□	□	□	□
Pivoting front wheel mudguard	□	□	■	■
Front loader				
Front loader attachment parts	□	□	□	□
Front loader Cargo 4X/75	□	□	□	□
Front loader Cargo 4X/75 - third valve		□	□	□
Front loader Cargo 4X/80	□	□	□	□
Front loader Cargo 4X/80 - third valve		□	□	□
Front loader Cargo Profi 4X/80			□	□
Front loader Cargo Profi 4X/80 - third valve			□	□

* Please refer to the Settings for equipment variants

FENDT 500 VARIO

Technical specifications.

		512 Vario	513 Vario	514 Vario	516 Vario
Engine					
Rated power ECE R 120	kW/hp	91/124	98/133	110/150	120/163
Maximum power ECE R 120	kW/hp	96/131	104/141	115/156	126/171
No. of cylinders	number	4	4	4	4
Cylinder bore/stroke	mm	101/ 126	101/ 126	101/ 126	101/ 126
Cubic capacity	cm³	4038	4038	4038	4038
Rated speed	rpm	2100	2100	2100	2100
Max. torque at 1500 rpm	Nm	564	604	663	699
Torque rise	%	36.0	35.0	33.0	28.0
Fuel level	litres	298.0	298.0	298.0	298.0
AdBlue tank	litres	31.0	31.0	31.0	31.0
Transmission and PTO					
Transmission type		ML 90	ML 90	ML 90	ML 90
Speed range 1	km/h	0,02-28	0,02-28	0,02-28	0,02-28
Speed range 1 - reverse	km/h	0,02-17	0,02-17	0,02-17	0,02-17
Speed range 2	km/h	0,02-50	0,02-50	0,02-50	0,02-50
Speed range 2 - reverse	km/h	0,02-33	0,02-33	0,02-33	0,02-33
Top speed	km/h	50	50	50	50
Rear PTO		540/ 540E/ 1000	540/ 540E/ 1000	540/ 540E/ 1000	540/ 540E/ 1000
Rear PTO option		540E/ 1000 /1000E	540E/ 1000 /1000E	540E/ 1000 /1000E	540E/ 1000 /1000E
Front PTO option		1000	1000	1000	1000
Power lift and hydraulics					
Variable flow pump	l/min	75	75	75	75
Variable flow pump option 1	l/min	110	110	110	110
Variable flow pump option 2	l/min	158	158	158	158
Working pressure / control pressure	bar	200/20	200/20	200/20	200/20
Max. valves (front/centre/rear) Power / Power+	number	0/0/4 od. 1/0/3	0/0/4 od. 1/0/3	0/0/4 od. 1/0/3	0/0/4 od. 1/0/3
Max. valves (front/centre/rear) Profi / Profi+	Number	2/0/5	2/0/5	2/0/5	2/0/5
Max. available hydraulic oil volume	litres	55	55	55	55
Max. lift capacity of rear power lift	daN	7890	7890	7890	7890
Max. lift capacity of front power lift	daN	3420	3420	3420	3420

		512 Vario	513 Vario	514 Vario	516 Vario
Tyres					
Front tyres (standard)		480/65R28	480/65R28	480/70R28	540/65R28
Standard tyres rear		600/65R38	600/65R38	580/70R38	650/65R38
1st option for front tyres		16.9R28	16.9R28	480/65R28	480/65R28
1st option for rear tyres		20.8R38	20.8R38	600/65R38	600/65R38
Dimensions					
Front track width (standard tyres)	mm	1880	1880	1880	1880
Rear track width (standard tyres)	mm	1860	1860	1860	1860
Overall width with standard tyres	mm	2450	2450	2450	2505
Overall length	mm	4453	4453	4453	4453
Max. ground clearance	mm	530	530	530	530
Wheelbase	mm	2560	2560	2560	2560
Weights					
Unladen weight (base tractor with cab - full tanks, without driver)	kg	6050.0	6050.0	6400.0	6400.0
Max. permissible overall weight up to 40 km/h country-specific exception approval required	kg	10500.0	10500.0	10500.0	10500.0
Max. permissible overall weight up to 50 km/h country-specific exception approval required	kg	10500.0	10500.0	10500.0	10500.0
Max. trailer hitch load	kg	2090.0	2000.0	2000.0	2000.0