

EQUIPMENT VARIANTS

Fendt 500 Vario. So individual. So ideal.

Standard and optional equipment
Standard: ■
Optional: □

	Power	PowerPlus	Profi	ProfiPlus	
Engine	Fuel pre-filter (heated)	□	□	□	□
	Preheater unit (engine, transmission, hydraulic oil)	□	□	□	□
Transmission	Shuttle function, stop-and-go function	■	■	■	■
	Acoustic signal when reversing		□	□	□
Vario operation	Multi-function joystick with cruise control, engine speed memory, automatic modes, controls for hydraulics	■	■	■	■
	Varioterminal 7 with touchscreen and key control	■	■	■	■
	Varioterminal 10.4 with touchscreen and key control			□	■
	Variotronic implement control for ISOBUS		□	■	■
	Guidance system VarioGuide NovAtel / Trimble		□		□
	VarioDoc - documentation system (only with Varioterminal 10.4")			□	■
	VarioDoc Pro - documentation system / AgCommand™ telemetry system (only with Varioterminal 10.4")				□
	SectionControl				□
	VariableRateControl				□
	Electronic immobiliser	□	□	□	□
Without immobiliser	■	■	■	■	
Cab	Active charcoal filter	□	□	□	□
	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	■	■	■	■
	Rear window heated	□	□	□	□
	Segment wipers front	■	■	■	■
	Parallel wipers front	□	□	□	□
	300°-front windscreen wipers (with continuous windscreen)			■	■
	Rear window wash/wipe	□	□	□	□
	Ext. rearview mirror electrically adjustable and wide-angle mirror heated			□	□
	Wide-angle mirror	■	■	■	■
Radio mounting kit with two stereo speakers	■	■	■	■	
Radio CD MP3	□	□	□	□	
Radio CD MP3 hands-free speaking system	□	□	□	□	
Radar sensor			□	□	
Lighting	Auxiliary lights front	□	□	□	□
	Work lights A-pillar, rear mudguard	□	□	□	□
	Work lights LED A-pillar, rear mudguard	□	□	□	□
	Rear roof work lights 4x	■	■	■	■
	LED rear roof work lights 4x	□	□	□	□
	Front external roof work lights 2x	■	■	■	■
	LED front external roof work lights 2x	□	□	□	□
	Front internal roof work lights 2x	□	□	□	□
	LED front internal roof work lights 2x	□	□	□	□
	LED rear lights	□	□	□	□
	Rotating beacons	□	□	□	□

	Power	PowerPlus	Profi	ProfiPlus	
Chassis	Front axle suspension self-levelling, lockable	■	■	■	■
	Steering brake	■	■	■	■
	Automatic trailer steering axle lock			□	□
	Compressed air system 1-/2- circuit system	□	□	□	□
	Compressed air Duomatic coupling	□	□	□	□
4WD	Rear / front differential with 100% disc locking and steering angle sensors	■	■	■	■
Power lift	Da 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 sa (EHR),	■	■	■	■
	Top link rear hydraulic	□	□	□	□
PTO	Front: 1000 rpm	□	□	□	□
	Rear PTO 540/540E/1000 rpm	■	■	■	■
	Rera PTO 540E/1000/1000E rpm	□	□	□	□
Hydraulic system	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)			□	□
	4. EHS valve at rear or 3rd EHS valve at rear and 1st EHS valve in front	□	□		
	4. EHS valve at rear			□	□
	5. EHS valve at rear			□	□
	1. Front EHS valve			□	□
	2. Front EHS valve			□	□
	Hydraulic power beyond connection	□	□	□	□
	Return rear	■	■	■	■
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, short, in the bottom hitch	□	□	□	□
	Ball coupling, long, 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/80	□	□	□	□
	Front loader Cargo Profi 4X/80			□	□

FENDT 500 VARIO

Technical Specifications.



Fendt 500 Vario		512	513	514	516		
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	cm ³	4038	4038	4038	4038	
	Rated speed	rpm	2100	2100	2100	2100	
	Max. torque at 1450 rpm	Nm	550	590	649	687	
	Torque rise	%	42	40	38	33	
	Fuel level	litres	298	298	298	298	
	AdBlue tank	litres	31	31	31	31	
	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 optional			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 Plus	Number	1/0/4	1/0/4	1/0/4	1/0/4	
	Max. valves (front/centre/rear) Profi / Profi Plus	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	7780	7780	7780	7780	
	Max. lift capacity of front power lift	daN	3420	3420	3420	3420	
	Electrical features	Batteries	Number	1	1	1	1
Battery output Power		Ah/V	100/12	100/12	100/12	100/12	
Battery output Profi / Profi Plus		Ah/V	180/12	180/12	180/12	180/12	
Alternator		V/A	14/ 200	14/ 200	14/ 200	14/ 200	
Tyres		Front tyres (standard)		480/65R28	480/65R28	480/70R28	540/65R28
		Standard tyres rear		600/65R38	600/65R38	580/70R38	650/65R38
	1. Optional front tyres		16.9R28	16.9R28	480/65R28	480/65R28	
	1. Optional rear tyres		20.8R38	20.8R38	600/65R38	600/65R38	
	2. Optional front tyres		480/70R28	480/70R28	16.9R28	16.9R28	
	2. Optional rear tyres		580/70R38	580/70R38	20.8R38	20.8R38	
	3. Optional front tyres		540/65R28	540/65R28	540/65R28	480/70R28	
	3. Optional rear tyres		650/65R38	650/65R38	650/65R38	580/70R38	
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	2501	2501	2501	2501	
	Overall length	mm	4453	4453	4453	4453	
	Overall cab height with standard tyres without VarioGuide	mm	2930	2930	2965	2965	
	Overall cab height with standard tyres with VarioGuide	mm	2980	2980	3015	3015	
	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	6050	6400	6400	
	Max. permissible overall weight	kg	10500	10500	10500	10500	
	Max. trailer hitch load	kg	2000	2000	2000	2000	