

EQUIPMENT VARIANTS

Fendt 500 Vario. So individual. So ideal.

		Power	Profi	ProfiPlus			Power	Profi	ProfiPlus
Vario operation	Multi-function joystick with cruise control, engine speed memory, automatic modes, controls for hydraulics	■	■	■	Transmission	Shuttle function, stop-and-go function	■	■	■
	Varioterminal 7-B with touch and key control	■	■			Acoustic signal when reversing		□	□
	Varioterminal 10.4-B with touch and key control, 2 camera ports, incl. VarioDoc		□	■	Chassis / safety features	Compressed air system	□	□	□
	VarioDoc documentation system		□	■		Automatic trailer steering axle lock		□	□
	VarioDoc Pro documentation system			□		Compressed air Duomatic coupling	□	□	□
	Variotronic implement control (ISOBUS)		□	■	4WD / differential lock	Comfort engagement controls for 4WD / differential locks	■	■	■
	SectionControl			□		Rear / front differential with 100% disc locking	■	■	■
	VariableRateControl (VRC)			□		PTO	Rear PTO 540/540E/1,000 rpm	■	■
	Variotronic ¹ Headland Management System	■	■	□	Rera PTO 540E/1,000/1,000E rpm		□	□	□
	Vario TMS Tractor Management System	■	■	■	Front: 540 or 1,000 rpm		□	□	□
	Preparation VarioGuide automatic steering system			■	External controls for rear PTO		■	■	■
	VarioGuide automatic steering system			□	Hydraulics	Load-sensing system with 75 l/min delivery capacity	■		
VarioActive steering			□	Load-sensing system with 110 l/min delivery capacity		□	■	■	
Cab	Split windscreen and door on right	□	□	□		Load-sensing system with 158 l/min delivery capacity		□	□
	Continuous windscreen	■	■	■		Electrohydraulic rear linkage sa (EPC)	■	■	■
	Mechanical cab suspension	■	■	■		Electrohydraulic rear linkage da (EPC)		□	□
	Pneumatic cab suspension	□	□	□		Control with linear elements		■	■
	Height and tilt-adjustable steering column	■	■	■		1st and 2nd hydraulic valve at rear	■	■	■
	Comfort seat, air suspended with back rest (w/o rotary adapter/seat cushion adjustment, simple armrest adjustment)	■	■	■		3rd hydraulic valve at rear	□	□	□
	Super comfort seat, air-suspended with seat heater, lumbar support	□	□	□		4th hydraulic valve at rear or 3rd hydraulic valve at rear and 1st hydraulic valve in front	□		
	Super comfort seat Evolution dynamic with climate control, seat heater, lumbar support and seat suspension (only with compressed air system)	□	□	□		4th to 5th hydraulic valve at rear		□	□
	Super comfort seat Evolution dynamic Dualmotion with fabric or genuine leather cover	□	□	□		1st to 2nd hydraulic valve in front		□	□
	Super comfort seat air-suspended with 3-point belt	□	□	□		Radar sensor		□	□
	Passenger seat with automatic seat belt	■			Top link rear hydraulic	□	□	□	
	Comfort passenger seat with automatic seat belt		■	■	Hydraulic power beyond connection	□	□	□	
Radio mounting kit with 2 stereo speakers	■	■	■	Hydraulic valve actuation crossgate lever, connect-under-pressure couplings rear	■	■	■		
Radio CD MP3 Blaupunkt with 2 stereo speakers	□	□	□	Double connect-under-pressure lever couplings rear	□	□	□		
4 stereo speakers		□	□	Easy ballast pick-up without front linkage	□	□	□		
Air-conditioning	■	■	■	Front linkage da with external controls	□	□	□		
Automatic climate control		□	□	Comfort front linkage da, with position control, external controls	□	□	□		
Pollutant filter (aerosol)	□	□	□	Comfort front linkage da, with position control and load relief control, external actuation (only together with rear linkage da)		□	□		
Segment wipers front	■	■	■	Body	ABS trailer sockets		□	□	
Parallel wipers front	□	□	□		Mechanical hitch	■	■	■	
300-degree wiper front		■	■		Auto. hitch with remote control, rear	□	□	□	
Rear window heated	□	□	□		Ball-type coupling, height adjustable	□	□	□	
Ext. rearview mirror, mechanically adjustable	■	■	■		Ball-type coupling in the bottom hitch	□	□	□	
Ext. rearview mirror, electrically adjustable, heated	□	□	□		Ball-type coupling long in the bottom hitch	□	□	□	
Ext. rearview mirror and wide-angle mirror mech. adjustable					Hitch	□	□	□	
Ext. rearview mirror elec. adj. and wide-angle mirror heated		□	□		Swinging drawbar	□	□	□	
Interior rearview mirror		■	■		PitonFix	□	□	□	
Corner lights / chrome trim on direction indicators		■	■		Rotating beacon left and right	□	□	□	
Work lights roof, 4 rear, 2 front	■	■	■		Pivoting front wheel mudguard	□	■	■	
Work lights A-pillar, roof front, mudguard rear	□	□	□		Front weights, various sizes	□	□	□	
Work lights LED roof front, roof rear	□	□	□	Ballast weights for rear wheels	□	□	□		
Work lights LED A-pillar, mudguard rear	□	□	□	Front loader	Front loader attachment parts	□	□	□	
LED taillights, LED blinker	□	□	□		Front loader Cargo 4X/75	□	□	□	
Ambient lighting	■	■	■		Front loader Cargo 4X/80	□	□	□	
Bracket for auxiliary devices	□	□	□		Front loader Cargo Profi 4X/80	□	□	□	
Cooling compartment	■	■	■						
Electric battery disconnect switch	□	□	□						
Add. storage space, 12 Volt left, light in roof liner		■	■						
Engine	fuel pre-filter	□	□	□					
	Heated fuel prefilter	□	□	□					
	Preheater package (engine, transmission, hydraulic oil)	□	□	□					
	Exhaust brake	□	□	□					

¹ with one-piece windscreen

FENDT 500 VARIO

Technical Specifications.



Fendt 500 Vario		512	513	514	516	
Engine	Rated power ECE R 24	kW / hp	81 / 110	88 / 120	99 / 135	110 / 150
	Maximum power ECE R 24	kW / hp	92 / 125	99 / 135	110 / 150	121 / 165
	Rated power EC 97 / 68 applicable for registration	kW / hp	91 / 124	99 / 134	109 / 149	120 / 163
	Maximum power EC 97 / 68	kW / hp	96 / 131	103 / 140	115 / 156	124 / 169
	No. of cylinders/cooling		4	4	4	4
	Cylinder bore/stroke	mm	101 / 126	101 / 126	101 / 126	101 / 126
	Displacement	cm ³	4038	4038	4038	4038
	Rated engine speed	rpm	2100	2100	2100	2100
	Speed at max. power	rpm	1900	1900	1900	1900
	Max. torque	Nm at 1900 rpm	550	590	649	687
	Torque rise	%	42	40	38	33
	Fuel level	litres	298	298	298	298
	AdBlue	litres	31	31	31	31
	Oil change interval	Hours	500	500	500	500
Transmission / PTO	Type	stepless Vario transmission	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
	Engine PTO rear	rpm	540/ 540E/ 1000	540/ 540E/ 1000	540/ 540E/ 1000	540/ 540E/ 1000
	Engine PTO rear optional	rpm	540E/ 1000 /1000E	540E/ 1000 /1000E	540E/ 1000 /1000E	540E/ 1000 /1000E
	Front PTO	rpm	540 or 1000	540 or 1000	540 or 1000	540 or 1000
Linkage / hydraulics	Type of control	Electro-hydraulic	Electro-hydraulic	Electro-hydraulic	Electro-hydraulic	
	Delivery capacity hydraulic pump Power, Profi	l/min at engine speed	75/ 110, 110/ 158	75/ 110, 110/ 158	75/ 110, 110/ 158	75/ 110, 110/ 158
	Control pressure	bar	200+10	200+10	200+10	200+10
	Max. lift capacity on the drawbar	daN	7780	7780	7780	7780
	Front linkage max. lift capacity	daN	3420	3420	3420	3420
Weights / dimensions	Front tyres (standard)	mm	480/65R28	480/65R28	480/70R28	540/65R28
	Standard tyres rear	mm	600/65R38	600/65R38	580/70R38	650/65R38
	Front track width	mm	1880	1880	1880	1880
	Rear track width	mm	1860	1860	1860	1860
	Overall length with front linkage in park position and rear linkage horizontal	mm	4569	4569	4569	4569
	Overall width with standard tyres	mm	2501	2501	2501	2501
	Max. vertical hitch load	kg	2000	2000	2000	2000
	Overall height cab with standard tyres without VarioGuide	mm	2930	2930	2965	2965
	Overall height cab with standard tyres with VarioGuide	mm	2980	2980	3015	3015
	Ground clearance with standard tyres	mm	530	530	530	530
	Wheelbase	mm	2560	2560	2560	2560
	Small turning radius with resp. standard tyres	m	5.29	5.29	5.52	5.52
	Unladen weight (base tractor - tanks full without driver)	kg	6050	6050	6400	6400
	Permissible overall weight	kg	10500	10500	10500	10500
	Front linkage - implement weight	kg	2460	2460	2460	2460
Electrical equipment	Starter	kW	3.1	3.1	3.1	3.1
	Battery Power, Profi	Ah / V	100/12, 180/ 12	100/12, 180/ 12	100/12, 180/ 12	100/12, 180/ 12
	Alternator	V/A	14 / 200	14 / 200	14 / 200	14 / 200
	Max. transferable current ISOBUS socket (optional)	A	60+25	60+25	60+25	60+25
	Tyre options	Front		16.9R28	16.9R28	480/65R28
Rear			20.8R38	20.8R38	600/65R38	600/65R38
Front			480/70R28	480/70R28	16.9R28	16.9R28
Rear			580/70R38	580/70R38	20.8R38	20.8R38
Front			540/65R28	540/65R28	540/65R28	480/70R28
Rear			650/65R38	650/65R38	650/65R38	580/70R38
Front			270/95R36	270/95R36	270/95R36	270/95R36
Rear			320/90R50	320/90R50	320/90R50	320/90R50