

FENDT 500 VARIO

Equipment variants.

	Power	PowerPlus	Profi	ProfiPlus
Engine				
Fuel pre-filter (heated)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Preheater unit (engine, transmission, hydraulic oil)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Transmission				
Shuttle function, stop-and-go function	■	■	■	■
Acoustic signal when reversing		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Power	PowerPlus	Profi	ProfiPlus
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			<input type="checkbox"/>	■
Variotronic implement control for ISOBUS		<input type="checkbox"/>	■	■
Variotronic [®] - Headland Management System	■	■	■	■
Guidance system VarioGuide NovAtel / Trimble		<input type="checkbox"/>		<input type="checkbox"/>
VarioDoc - documentation system (only with Varioterminal 10.4")			<input type="checkbox"/>	■
VarioDoc Pro - documentation system				■
SectionControl				<input type="checkbox"/>
VariableRateControl				<input type="checkbox"/>
Electronic immobiliser	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Without immobiliser	■	■	■	■

	Power	PowerPlus	Profi	ProfiPlus
Cab				
Active charcoal filter	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Mechanical cab suspension	■	■	■	■
Pneumatic cab suspension	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Super comfort seat 3-point belt	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comfort seat, air sprung	■	■	■	■
Super Comfort Seat, air sprung	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Super comfort seat Evolution dynamic / CA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Super Comfort Seat Evolution dynamic DuMo/CA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Super Comfort Seat Evolution dynamic DuMo leather / CA			<input type="checkbox"/>	<input type="checkbox"/>
Comfort instructor seat			■	■
Air-conditioning	■	■	■	■
Integrated automatic climate control			<input type="checkbox"/>	<input type="checkbox"/>
Split windscreen and door on right	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Continuous windscreen	■	■	■	■
Rear window heated	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Segment wipers front	■	■	<input type="checkbox"/>	<input type="checkbox"/>
Parallel wipers front	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
300°-front windscreen wipers (with continuous windscreen)			■	■
Rear window wash/wipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Wide-angle mirror	■	■	■	■
Radio mounting kit with two stereo speakers	■	■	■	■
Radio CD MP3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Radio CD MP3 hands-free speaking system	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Radar sensor			<input type="checkbox"/>	<input type="checkbox"/>

Chassis				
Front axle suspension self-levelling, lockable	■	■	■	■
Steering brake	■	■	■	■
Automatic trailer steering axle lock			<input type="checkbox"/>	<input type="checkbox"/>
Compressed air Duomatic coupling	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Standard and optional equipment
Standard: ■
Optional: □

4WD				
Rear / front differential with 100% disc locking and steering angle sensors	■	■	■	■

	Power	PowerPlus	Profi	ProfiPlus
Power lift				
Da front power lift, with external control (separate valve)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comfort front power lift da, with position control, external controls	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comfort front power lift da, with position control and relief control, external controls	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PTO				
Front: 1000 rpm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rear PTO 540/540E/1000 rpm	■	■	■	■
Rera PTO 540E/1000/1000E rpm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Power	PowerPlus	Profi	ProfiPlus
Hydraulics				
EHS valve actuation crossgate lever, multi-function joystick	■	■	■	■
EHS valve actuation linear module			■	■
External control for hydraulic control unit at rear	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Load sensing system with axial piston pump (75 l/min)	■	■		
Load sensing system with axial piston pump (110 l/min)	<input type="checkbox"/>	<input type="checkbox"/>	■	■
Load sensing system with axial piston pump (158 l/min)			<input type="checkbox"/>	<input type="checkbox"/>
4. EHS valve at rear or 3rd EHS valve at rear and 1st EHS valve in front	<input type="checkbox"/>	<input type="checkbox"/>		
4. EHS valve at rear			<input type="checkbox"/>	<input type="checkbox"/>
5. EHS valve at rear			<input type="checkbox"/>	<input type="checkbox"/>
1. Front EHS valve			<input type="checkbox"/>	<input type="checkbox"/>
2. Front EHS valve			<input type="checkbox"/>	<input type="checkbox"/>
Hydraulic power beyond connection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Return rear	■	■	■	■
Unpressurised rear return flow	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Double connect-under-pressure lever couplings rear	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CUP coupling rear	■	■	■	■
Bio hydraulic oil	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Power	PowerPlus	Profi	ProfiPlus
Additional equipment				
Manual hitch	■	■	■	■
Automatic trailer hitch with remote control, rear	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ball coupling, height adjustable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ball coupling, short, in the bottom hitch	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ball coupling, long, in the bottom hitch	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hitch	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Drawbar	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Piton-fix	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comfort ballast for front-end weight (not available with front power lift)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Wheel weights, rear wheels	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Forced steering (one or two-sided)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pivoting front wheel mudguard	<input type="checkbox"/>	<input type="checkbox"/>	■	■

Front loader				
Front loader attachment parts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Front loader Cargo 4X/75	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Front loader Cargo 4X/80	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Front loader Cargo Profi 4X/80			<input type="checkbox"/>	<input type="checkbox"/>

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	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	%	42.0	40.0	38.0	33.0
Fuel level	litres	298.0	298.0	298.0	298.0
AdBlue tank	litres	31.0	31.0	31.0	31.0

		512 Vario	513 Vario	514 Vario	516 Vario
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

		512 Vario	513 Vario	514 Vario	516 Vario
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

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

		512 Vario	513 Vario	514 Vario	516 Vario
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	6050.0	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	2000.0	2000.0	2000.0	2000.0