



FARMER
307 Ci • 308 Ci • 309 Ci



FENDT

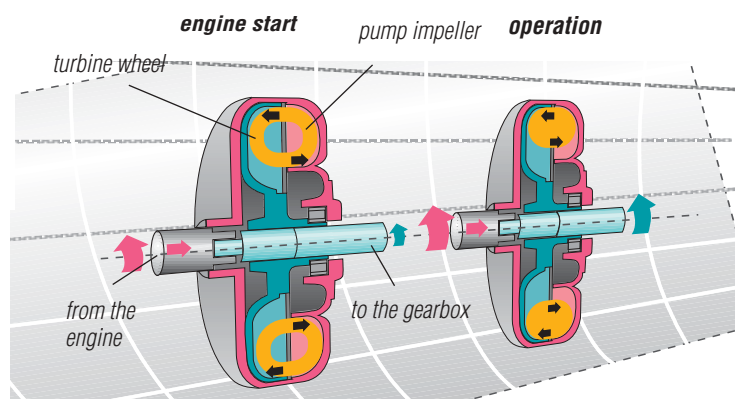
TECHNOLOGICAL LEAD WITH TURBOMATIC

The famous Turbomatic is one of the unmistakable features of every 300-range tractor, which places these models in the technological premium class. No Fendt driver can fail to appreciate these comfort features. We know from customer reports that, once experienced in practice, no tractor driver will ever want to go without the benefits of a Turbomatic.

The Turbomatic not only offers superb comfort but lets the driver forget the starting problems he used to have with a conventional clutch when operating under a heavy load. With a gear selected and the clutch engaged, the tractor starts moving as soon as the accelerator pedal is depressed, eliminating clutch slip. It then continues to accelerate smoothly to the highest speed in the selected gear. The result: no clutch wear during the starting process.

Long life

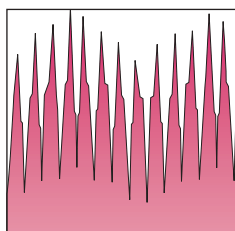
Even on slopes the tractor can be stopped by reducing engine speed, and then set into motion again by depressing the accelerator (hill stop



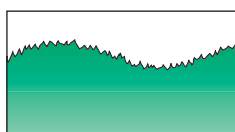
How does it work?

As soon as the tractor starts moving, the turbine wheel is set into motion and the Farmer pulls away smoothly. When accelerating, the clutch becomes frictionally connected. Turbine wheel and pump impeller rotate at the same speed.

Advantage: the Turbomatic compensates for engine power surges, acts as a vibration damper and increases the life of the gearbox and clutches.



Without turboclutch:
high shock loads
and alternating
loads on engine
and gearbox
 $n_M = 1000 \text{ rpm}$



With turboclutch:
central vibration
damping
 $n_M = 1000 \text{ rpm}$

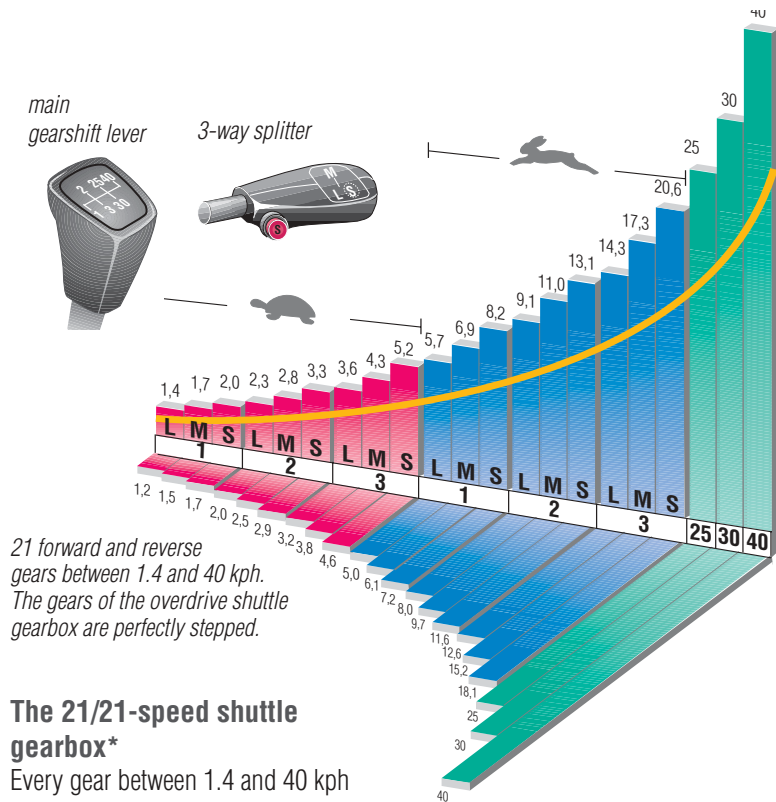
facility). The Turbomatic compensates for engine power surges, acts as a vibration damper and prolongs the life of transmission and clutches.

Turbomatic advantages:

- Fast and smooth starting without clutch wear
- No wheel slip
- Hill stop facility
- No engine stalling
- Accurate manoeuvring
- Enhanced driving comfort
- Optimum starting tractive power and acceleration



LESS SHIFTING THROUGH OPTIMUM GEARING



The 21/21-speed shuttle gearbox*

Every gear between 1.4 and 40 kph has identical forward and reverse speeds. When working with a rear fork lift or front loader, all that is required from the driver for a quick change in direction is the use of the F/R control lever and the clutch. Short turnaround times and rapid shunting are two obvious advantages.

From 5 to 40 kph using just one lever

Besides the ingenious logic system, another major advantage of the Fendt gearbox is demonstrated by the user-friendly control layout. In haulage work for instance, the driver can move up from 5 to 40 kph by using only the main lever. Including the close-ratio

gear selection with three-way splitting of all working gears, there are thus 9 forward gears for PTO work and 12 forward gears for the rest of the working range (incl. overdrive gears). PTO and main working speeds are subdivided into "tortoise" and "hare" groups.

Optional super crawler gear

For particular operations in specialty crops, an optional super crawler gearbox with 9 forward and 3 reverse gears is available. The gearbox covers the travel speed range from 370 m/h to 1.7 km/h.

It is a proven fact that fully synchromesh gearboxes have the best efficiency of all types of transmission technology. That means better fuel economy, higher working speeds and smooth running thanks to more available horsepower in the field or on the road.

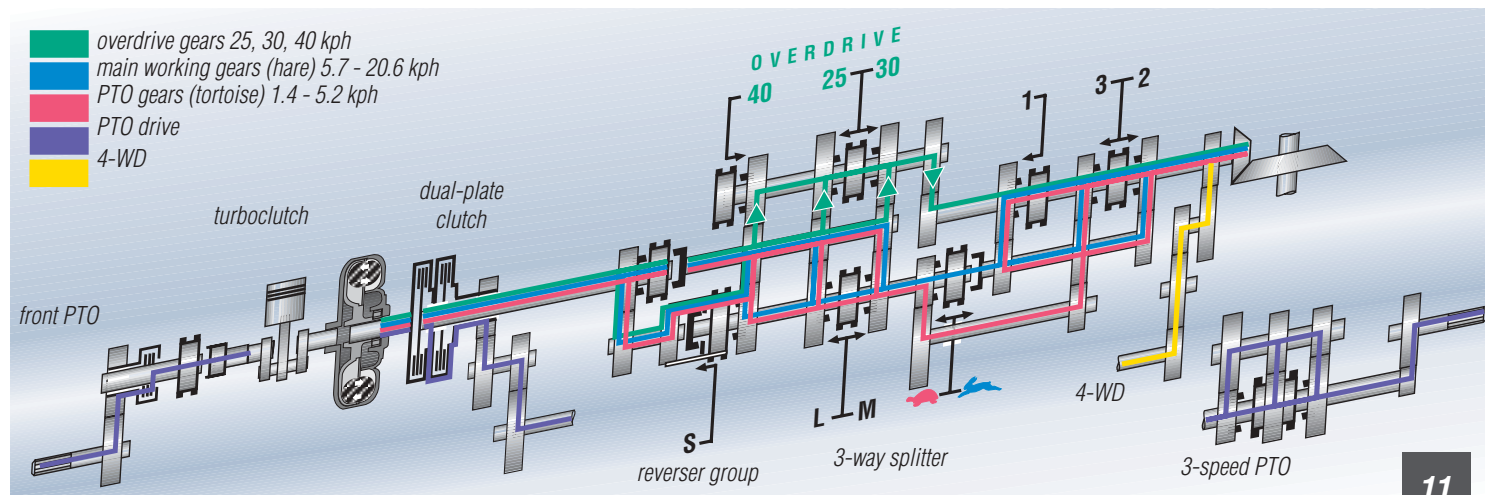
The optimised 21/21-gear Fendt overdrive transmission combines benefits in efficiency with the superior power and torque of the new Ci extra power engines for the first time. The increased engine power allows you to drive in the same gear longer and shift down later.

Overdrive gearbox advantages:

- 21/21-speed shuttle gearbox
- Just one central lever for speeds between 5 to 40 kph
- Top-efficiency overdrive gears
- 40 kph economy gear
- 3-way splitter
- 9/3-speed super crawler gear (optional)

* optional

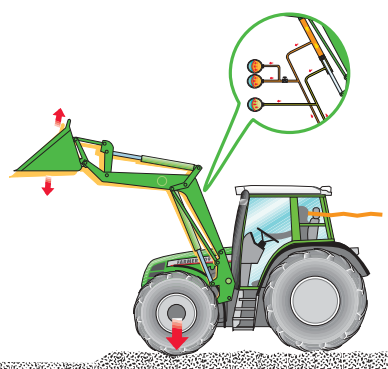
Schematic of overdrive shuttle gearbox



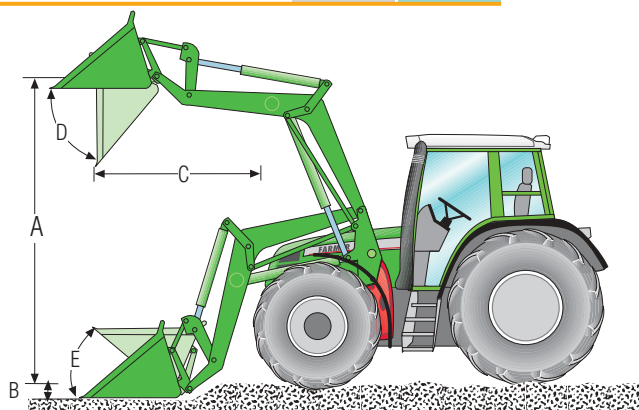
The optional shock damping system ensures superior working and driving safety. Shock loads and vibrations are reduced through integrated gas shock absorbers. The result is safe and smooth working conditions.

Safe and easy mounting: hydraulic multi-coupler

Technical specifications front loader



	Gr. 3/60	Gr. 3S/60
A lifting height (mm)*	3711/3756	3755/3800
B lowest pos. below ground (mm)	250	170
C dumping distance (mm)	1159	1336
D tipping angle	51°	51°
E tipping back angle	41°	41°



Crossgate lever

The front loader can be controlled easily and precisely with just one lever. Two auxiliary control valves can be operated simultaneously with the crossgate lever. This allows the front loader to be lifted while the bucket is actuated. Additional hydraulic attachments for the front loader, such as a silage grab or bale grapple, can be operated easily with the 3rd hydraulic circuit.

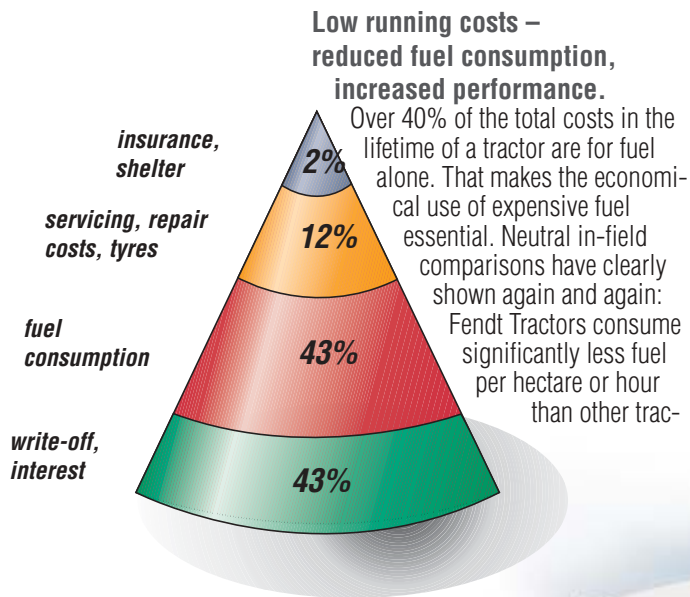
Front loader model	3/60	3S/60
Lift capacity (kN)	18.3/1865	16.4/1672
Break-out force (kN)	23.9/2436	22.9/2234
Equipment		
SA-cylinder	○	○
DA-cylinder	○	○
Quick-change frame	●	●
Autom. attachment lock	●	●
Rapid lift valve	●	●
Mechanical self-levelling	●	●
Front protection	●	●
Level indicator	●	●
Suspension system	○	○
Pipe-fracture safety feature ¹⁾	●	●
Lowering control valve	●	●
Shock load protection valve	●	●
Overload valve	●	●
Load holding valve	●	●
Safety parking stands	●	●
Multi-coupler	○	○
Tractor equipment		
Crossgate lever	●	●
Front windscreen can be opened fully	●	●
Service-friendly	●	●
3rd hydraulic control circuit	○	○
Attachments		
Heavy-duty bucket mm/m ³	1600 / 0.6	1600 / 0.6
Universal bucket mm/m ³	1600 / 0.6	1600 / 0.6
Gravel bucket mm/m ³	1850 / 0.7	1850 / 0.7
Gravel bucket mm/m ³	2100 / 0.94	2100 / 0.94
Manure fork mm/m ³	1500	1500

● standard equipment ○ optional

¹⁾ doesn't apply if suspension is mounted

SUPERIOR PRODUCTIVITY AND LOW OPERATING COST PER HOUR

Those who like to compare the actual costs involved in investing in a new tractor, consider the overall costs and the operating costs per hour or hectare. These comprise four factors: utilisation and write-off, fuel consumption and servicing costs as well as the resale value. All four criteria result in the overall profitability of the investment.



tors thanks to high-quality injection technology and effective gearing. That pays off in the long run because you offset the initial purchase price with every hour of operation.

Reduced maintenance costs through long service intervals

The 300 is designed for long service intervals and reduced oil quantities that need to be changed in the key areas engine, transmission and hydraulics even including the lubricating points. The engine oil needs to be changed every 500 hrs., the transmission oil only every 1000 hrs.

Excellent resale value

The resale value is an indicator for the degree of acceptance of a certain product on the market. When you decide to sell your Fendt tractor, you will be delighted to see how it has kept its value. That adds another plus in the overall profitability calculation.

Fendt brand quality pays off

Overall profitability is the key benefit of your Farmer 300 Ci. The higher price you pay at the start is offset by high performance and low fuel costs during every hour of operation.

The profitability of the Farmer 300 tractors is influenced positively by their infrequent repairs and simple, reasonably-priced servicing. All 300's are fitted with a folding bonnet that can be opened quickly and easily to facilitate servicing.





SOME ADVANTAGES ARE APPARENT IMMEDIATELY – OTHERS YEARS LATER



Consultation: the way to a tailor-made Fendt

Fendt sales agents are experienced specialists who will give extensive advice and information on technology, equipment and the overall profitability of a Fendt tractor.

A trial run in the field – experience the difference

You cannot pass judgement on a Fendt tractor without the experience of driving one in the field! Fendt tractors enjoy a first-class reputation for superb driving and working comfort. Not until you have driven a Fendt, do you realise how big the difference really is when compared with other tractors.

First-class workshop and service quality

Master technicians and Fendt service engineers are provided with continuous training and information to keep abreast of the latest technological developments. It follows therefore that technical support in state of the art workshops and instantaneous in-site remedial action save time, and reduce down-times to a minimum.

Spare parts with Fendt Night Express Service

An essential part of the first-class service quality of every Fendt sales partner is the electronic parts catalogue FENDOS, which makes rapid, accurate ordering and no-delay delivery of Fendt-original spare parts and accessories possible. If ordered by evening, your Fendt sales partner will have the spare part by 7 a.m. the following morning thanks to the Fendt Night Express Service.

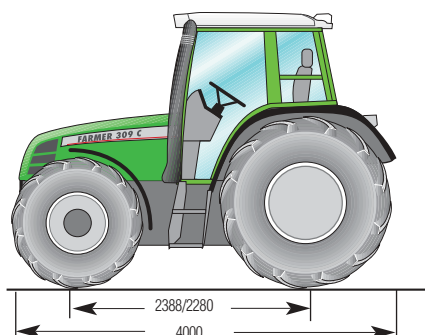
Service and profitability under contract

Innovative technology and up-to-date service – your Fendt sales partner offers you everything from one hand. With customised service packages, you can increase the profitability and operational availability of your Fendt tractor. If you are looking for the security of a full service package or would like to rent a tractor – Fendt Service-Partners offers you a tailor-made solution.

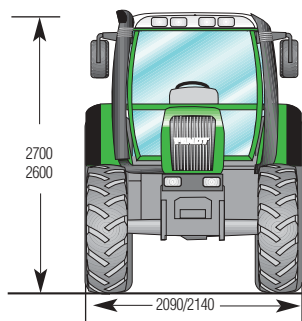
The name Fendt has always been synonymous with trailblazing technology and top quality; today we are also at the forefront in providing first-class service and support for tractor and driver. We offer the customer maximum profitability and competitiveness in an active market place. True to our motto: "Move ahead with us".



TECHNICAL SPECIFICATIONS



300 C



All details, illustrations and technical data are without obligation and subject to changes in the interest of technological advancement.

Fendt 300 Ci

	307 Ci	308 Ci	309 Ci
Engine			
Rated power (kW/HP) (ECE R24)	55 / 80	66 / 90	77 / 105
Max. power (kW/HP) (ECE R24)	68 / 92	72 / 98	82 / 112
Rated power (kW/HP) (EG 97/68)	65 / 88	74 / 101	83 / 113
Max. power (kW/HP) (EG 97/68)	72 / 99	77 / 105	86 / 117
Engine type		turbo / intercooler	
No. of cylinders / cooling / injection system	4 / water/PN	4 / water/PN	4 / water/PN
Bore / stroke (mm)	101 / 126	101 / 126	101 / 126
Displacement (cm³)	4040	4040	4040
Rated speed (rpm)	2300	2300	2300
Optim. fuel consumption (g/kWh) / (g/HP)	211	215	213
Max. torque (Nm / rpm)	423 / 1500	428 / 1500	474 / 1500
Torque rise (%)	45	45	45
Fuel tank (litres)	110	110	110
Oil change interval (operating hrs.)	250 / 500 ¹	250 / 500 ¹	250 / 500 ¹
Gearbox and PTO			
Gears forward/reverse (40 kph) (optional)	21/6(21/21)	21/6(21/21)	21/6(21/21)
Powershift PTO (rpm)		540 / 750 / 1000	
Hydraulics			
Tandem pump (bar)/delivery (l/min)	200 / 70	200 / 70	200 / 70
Rear hydraulics, lift capacity (kN/kp)	48.9 (4980)	48.9 (4980)	48.9 (4980)
Add. hydr. connections, standard	2 da control valves (crossgate lever)		
Add. hydr. connections, max.	4 da control valves		
Max. available hydr. oil (l)	32	32	32
Front hydraulics (optional), lift capacity (kp)	28.4 (2945)	28.4 (2945)	28.4 (2945)
Brakes			
Rear brakes		hydr. disc brakes	
Front brakes with 4-WD		disc brake on cardan shaft	
Front brakes with R-WD		hydr. drum brakes	
Electrical equipment			
Battery (Ah)	90	90	90
Alternator		1330 W / 14 V / 95 A	
Cab			
Construction		integrated, rubber-mounted, sound-proofed safety cell for the driver	
Heating		hot water system with 3-speed blower	
Climate control		hinged front, side and rear windows	
		fan-assisted ventilation (optional)	
		optional air conditioning	
Weights and dimensions			
Shipping weight (kg) (2-WD/4-WD)	3640 / 3970	3690 / 4030	4060
Unladen weight (kg) (2-WD/4-WD)	3800 / 4130	3850 / 4190	4220
Max. perm. all-up weight (kg)	6000 / 6000	6000 / 7000	7500
Max. load on trailer hitch (kg)	1500	1500	1500
Overall length (mm)	4000	4000	4000
Wheelbase (mm)	2388 / 2280	2388 / 2280	2388 / 2280
Overall width (mm)	2090	2140	2140
Min. turning circle to ISO 789 / 3			
2-WD / 4-WD (with steering brake)	4.1 (3.7)/4.4 (3.9)	4.3 (3.8)/4.4 (3.9)	4.5(4.0)
Ground clearance (mm)	480	480	480
Overall height** (m)	2.70	2.70	2.70
Low roof version*** (m)	2.61	2.61	2.61

¹ during continuous use and 1000 operating hours per year **depends on tyres ***low roof version

Standard and optional equipment

● = standard specification
○ = optional (on request)

	307	308	309
Cab			
Fendt Comfort Cab	●	●	●
Height and tilt-adjustable steering column	●	●	●
Comfort seat with air suspension	●	●	●
Hot water heating system with 3-speed fan	●	●	●
Ventilation system with 3-speed fan in roof	○	○	○
Air conditioning	○	○	○
Hinged front, rear and side windows	●	●	●
Roof hatch	●	●	●
Radio mounting kit with 2 speakers	●	●	●
Tinted windows	●	●	●
Windscreen washers	●	●	●
Cab lighting, interior	●	●	●
Hydrostatic steering	●	●	●
Anti-toxic filter	○	○	○
External mirrors with mech. width adjustment	●	●	●
Halogen-H 4 additional front lamps (high roof version)	○	○	○
Work lights, roof rear	●	●	●
Work lights, front	○	○	○
Instrument display	●	●	●
Engines			
Turbocharger	●	●	●
Intercooler	●	●	●
Engine shut-off via ignition	●	●	●
Cold start facility	●	●	●
Two stage air filter	●	●	●
Vertical exhaust, A-column	●	●	●
Gearbox			
Turbomatic	●	●	●
40 kph economy gear	●	●	●
21/6-speed synchromesh overdrive gearbox	●	●	●
21/21-speed overdrive shuttle gearbox	○	○	○
21/6 + 9/3 super crawler gear	○	○	○
4-WD technology			
Comfort controls	●	●	●
Automatic front diff. lock (Locomatic)	●	●	●
Rear differential 100% locking	●	●	●
Powershift PTO's			
Comfort controls	●	●	●
Rear: 540/750/1000 rpm	●	●	●
Front PTO: 1000 rpm or 540 rpm	○	○	○
Heck: 540/1000 rpm + ground PTO	○	○	○
Hydraulics			
EPC shock load stabilising	●	●	●
Front hydraulics with gas pressure shock absorber	○	○	○
2 hydraulic oil pumps	●	●	●
Quick coupler	●	●	●
Hydraulic oil cooler	○	○	○
Additional equipment			
Quick-adjustment trailer hitch	●	●	●
Automatic trailer hitch, rear	○	○	○
Multi-coupler	○	○	○
Air compressor	○	○	○

Tyres

	Farmer 307 Ci		Farmer 308 Ci		Farmer 309 Ci	
	front	rear	front	rear	front	rear
Standard tyres (4-WD) (2-WD)	13.6R24 11.00-16 8PR	16.9R34 16.9R34	380/70R24 11.00-16 8PR	480/70R34 480/70R34	440/65R24	540/65R34
optional	320/85R24 12.4R24 13.6R24	13.6R38 420/85R34 480/70R34	Farmer 308 C / 309 C			
	375/70R20 380/70R24 440/65R24 340/85R24 11.2R28	480/70R30 16.9R34 420/85R34 540/65R34 480/70R34 270/95R44	13.6R24 380/70R24 440/65R24 14.9R24 340/85R24 14.9R24 420/70R24 480/65R24	16.9R34 480/70R34 540/65R34 18.4R34 13.6R38 16.9R34 420/85R34 480/70R34 540/65R38	420/70R24 480/65R24 440/70R24 380/70R24 11.2R28	18.4R34 520/70R34 600/65R34 16.9R34 480/70R34 420/85R34 540/65R34 270/95R44

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