

Technical Data - Audi A6 Avant 3.0 TDI quattro

Programme for Germany – Status: April 2006

Model	Audi A6 Avant 3.0 TDI quattro with diesel particulate filter	
Engine / electrics		
Engine type	V6 diesel engine with VTG turbocharger, DOHC; TDI® direct injection	
Valve gear / number of valves per cylinder	Roller cam followers with hydraulic valve-play compensation / 4	
Displacement in cc / bore x stroke in mm / compression	2967 / 83.0 x 91.4 / 17.0	
Max. power output in kW (bhp) / at rpm	171 (233) / 4000	
Max. torque in Nm / at rpm	450 / 1400 – 3250	
Engine management / mixture preparation	Common rail direct injection, 1600 bar with piezo injectors, seven-hole injector nozzles, VTG turbocharger with intercooler, swirl and tangential intake ports, swirl port regulated Bosch EDC-16CP+, volume, injection start, charge pressure, EGR control CAN bus	
Exhaust emission control	Air-gap insulated exhaust manifold, oxidising converters as primary and main catalytic converters, water-cooled exhaust-gas recirculation; diesel particulate filter (CSF Catalysed Soot Filter)	
Emission category	EU4	
Alternator in A / battery in A/Ah	180 / 450/95	
Drive / transmission		
Type of drive	Permanent all-wheel drive with self-locking centre differential, Electronic Stabilisation Program ESP, ASR traction control, Electronic Differential Lock EDL	
Clutch	Hydraulically operated single-plate dry clutch with asbestos-free linings	Hydraulic torque converter with lock-up clutch
Gearbox type	6-speed manual gearbox	6-speed tiptronic with DSP (Dynamic Shift Program) and sport program
Gear ratio in 1st gear / 2nd gear	3.667 / 2.050	4.171 / 2.340
Gear ratio in 3rd gear / 4th gear	1.276 / 0.882	1.521 / 1.143
Gear ratio in 5th gear / 6th gear	0.659 / 0.528	0.867 / 0.691
Reverse gear / final drive ratio (autom.: constant ratio)	3.333 / 3.889	3.403 / 3.088
Running gear / steering / brakes		
Front suspension	Four-link front suspension, upper and lower wishbones, anti-roll bar, twin-tube gas-filled shock absorbers	
Rear suspension	Trapezoidal-link rear suspension, anti-roll bar, twin tube gas-filled shock absorbers	
Steering / steering ratio / turning circle in m (D102)	Maintenance-free rack-and-pinion steering with speed-dependent power assistance/ 16.0 / 11.9	
Brake system	Dual-circuit brake system with diagonal split, ABS/EBD, hydraulic brake assist, brake servo, front and rear: ventilated discs	
Wheels/tyres	7.5 J x 16 aluminium wheels / 225/55 R 16	
Performance / consumption / acoustics		
Maximum speed in km/h	242	242
Acceleration 0-100 km/h in sec	7.1	7.4
Fuel grade	Diesel, acc. to EN 590	
Fuel consumption: urban/extra urban/overall, l/100 km	11.4 / 6.2 / 8.1	11.9 / 6.7 / 8.6
CO ₂ mass emission, g/km	218	227
Standing / drive-past exterior noise level in dB (A)	77 / 72	77 / 70
Servicing / guarantee (Germany)		
Oil change / inspection	Acc. to service indicator, depending on operating conditions (maximum 2 years)	
Vehicle / paint / rust penetration guarantee	2 years with unlimited mileage / 3 years / 12 years	
Insurance classification in Germany:	19 (third party) / 25 (fully comprehensive) / 29 (part-comprehensive)	
Weights / loads		
Unladen weight (excl. driver) in kg. Gross weight in kg	1805 / 2435	1825 / 2455
Axle load limit at front / rear in kg	1280 / 1280	1300 / 1280
Trailer load limit unbraked in kg	750	
Trailer load limit on 8% / 12% gradient, braked in kg	2100 / 1900	
Roof load limit in kg / permissible nose weight in kg	100 / 85	
Capacities		
Cooling system capacity (incl. heating) in l	9.7	
Engine oil capacity (incl. filter) in l	8.2	
Fuel tank capacity in l	80	
Body / dimensions		
Body type	unitary steel body, galvanised, aluminium wings and bonnet	
Number of doors / seats	4 doors / 5 seats	
Drag coefficient c _d / frontal area A in m ²	0.32 / 2.26	
Length / width excl. mirrors / height, unladen weight, mm	4933 / 1855 / 1463	
Wheelbase / track at front/rear, unladen weight, in mm	2843 / 1612 / 1618	
Height of loading lip, unladen weight, in mm	633	
Luggage capacity in l, acc. to VDA block method (V210)	565 – 1660 (loaded up to roof with rear seat folded down)	