

Technical Data – Audi A6 3.0 TDI quattro

Program for Germany – Status: September 2008

Model	Audi A6 3.0 TDI quattro	
Engine / electronics		
Engine type	Six-cylinder V 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 / 16.8	
Max. power output in kW (<i>hp</i>) / at rpm	176 (240) / 4000 - 4400	
Max. torque in Nm (<i>lb-ft</i>) / at rpm	500 (368.78) / 1500 – 3000	
Engine management / mixture preparation	Common rail injection system, 1800 bar with piezo injectors, direct injection, eight-hole nozzles, VTG turbocharger with intercooler; swirl and tangential intake ports, regulated swirl port; Bosch EDC17; rail-pressure, charge-pressure and EGR control; multiple injection; CAN bus	
Exhaust emission control	Air-gap insulated exhaust manifold, water-cooled exhaust gas recirculation, close-coupled oxidizing catalytic converter, coated maintenance-free diesel particulate filter	
Emissions class	EU5	
Alternator in A / battery in A/Ah	180 / 450 / 95	
Drivetrain / transmission		
Drive type	Permanent all-wheel drive with self-locking center differential with asymmetric/dynamic torque distribution and electronic stabilization program (ESP), traction control (ASR), 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	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 / 0.547	0.867 / 0.691
Reverse gear / final drive ratio (automatic: constant ratio)	3.333 / 3.700	3.403 / 2.888
Suspension / 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 meters (D102) (<i>feet</i>)	Maintenance-free rack-and-pinion steering with speed-dependent power assistance / 16.0 / 11.9 (39.04)	
Brake system	Dual-circuit brake system with diagonal split with ABS/EBD, hydraulic brake assist, brake booster; front / rear disk brakes: ventilated at front	
Wheels / tires	7.5J x17 aluminum wheels / 225/50 R17	
Performance / consumption / acoustics		
Top speed in km/h (<i>mph</i>)	250 (155.34)	250 (155.34)
Acceleration, 0-100 km/h (0-62.14 <i>mph</i>) in sec	6.6	6.8
Fuel type	Diesel, according to EN 590	
Fuel consumption: city / h'way / comb., l/100 km (<i>US mpg</i>)	8.9 / 5.4 / 6.7 (26.43 / 43.56 / 35.11)	9.3 / 5.8 / 7.1 (25.29 / 40.55 / 33.13)
CO2 mass emission, g/km (<i>g/mile</i>)	237/144/179 (381.41 / 231.75 / 288.07)	247/154/189 (397.51 / 247.84 / 304.17)
Idling / drive-past exterior noise level in dB (A)	71/73	72/70
Servicing / guarantee (Germany)		
Oil change / inspection	Per service indicator, depending on operating conditions (max. 2 years)	
Vehicle / paint / rust perforation guarantee	2 years with unlimited mileage / 3 years / 12 years	
Insurance classification in Germany	Data was not available at the time of printing	
Weights / loads		
Unladen weight in kg (excluding driver) / gross weight limit in kg (<i>pounds</i>)	1760 / 2340 (3880.14 / 5158.82)	1785 / 2365 (3935.25 / 5213.93)
Axle load limit at front / rear in kg (<i>pounds</i>)	1285 / 1190 (2832.94 / 2623.50)	1305 / 1195 (2877.03 / 2634.52)
Trailer load limit, unbraked in kg (<i>pounds</i>)	750 (1653.47)	
Trailer load limit on 8% / 12% gradient, braked in kg (<i>pounds</i>)	2000 / 1800 (4409.25 / 3968.32)	2100 / 1900 (4629.71 / 4188.78)
Roof load limit in kg / permissible nose weight in kg (<i>pounds</i>)	100 / 85 (220.46 / 187.39)	
Capacities		
Cooling system capacity (incl. heating) in liters (<i>US gallons</i>)	9.7 (2.56)	
Engine oil capacity (including filter) in liters (<i>US quarts</i>)	8.2 (8.66)	
Fuel tank capacity in liters (<i>US gallons</i>)	80 (21.13)	
Body / dimensions		
Body type	Galvanized, unitary steel body, aluminum engine hood and fenders	
Number of doors / seats	4 doors / 5 seats	
Drag coefficient Cd / frontal area A in m ² (<i>square feet</i>)	0.29 / 2.26 (24.33)	
Length / width excluding mirrors / height, empty, mm (<i>feet</i>)	4927 / 1855 / 1459 (16.16 / 6.09 / 4.79)	
Wheelbase / track at front/rear, empty, mm (<i>feet</i>)	2843 / 1612 / 1618 (9.33 / 5.29 / 5.31)	
Height of loading lip, empty, mm (<i>feet</i>)	716 (2.35)	
Luggage capacity in liters (<i>cubic feet</i>), according to VDA block method (V210)	546 (19.28)	