

Technical Data – Audi A6 3.0 TFSI (220 kW) quattro

Program for Germany - Status: September 2010

Model	Audi A6 3.0 TFSI quattro
Engine / electronics	
Engine type	Aluminum V6 spark-ignition engine with gasoline direct injection, DOHC, mechanical charger module with two intercoolers, two charge movement flaps, demand-controlled high-pressure and low-pressure fuel system
Valve gear / number of valves per cylinder	Continuous intake camshaft adjustment / 4
Displacement in cc	2995 / 84.5 x 89 / 10.3
Max. power output in kW (hp) / at rpm	220 (300) / 5250 - 6500
Max. torque in Nm (lb-ft) / at rpm	440 (324.53) / 2900 - 4500
Mixture preparation	Fully electronic engine management with drive-by-wire throttle control; SIMOS 8, gasoline direct injection, cylinder-selective lambda control, mapped ignition with solid-state high-voltage distribution, cylinder-selective adaptive knock control; manifold-pressure controlled system
Exhaust emission control	Two close-coupled ceramic main catalytic converters each with a pre- and post-catalyst oxygen sensor, secondary air system
Emissions class	EU 5
Alternator in A / battery in A/Ah	180 (air-cooled) / 380 / 68
Start-stop system	Switches the engine off if the vehicle is stationary and no gear is engaged
Recuperation	Temporarily stores braking energy in the battery, and thus aids driving off and acceleration
Drivetrain / transmission	
Drive type	quattro permanent all-wheel drive with self-locking crown-gear center differential
Clutch	Two electrohydraulically controlled multi-plate clutches in an oil bath
Transmission type	7-speed S tronic with electrohydraulic control
Gear ratio in 1st gear / 2nd gear	3.692 / 2.150
Gear ratio in 3rd gear / 4th gear	1.406 / 1.025
Gear ratio in 5th gear / 6th gear	0.787 / 0.625
Gear ratio in 7th gear / 8th gear	0,519
Reverse gear / final drive ratio	2.944 / 4.093
Suspension / steering / brakes	
Front suspension	Five-link front suspension, double upper and lower wishbones, anti-roll bar, steel springs
Rear suspension	Self-tracking trapezoidal-link axle with wishbone, anti-roll bar, steel springs
Steering / steering ratio / turning circle in meters (D102) (feet)	Electromechanical steering with speed-dependent power assistance / 16.1 / approx. 11.9 (39.04)
Brake system	Dual-circuit brake system with diagonal split, ESP, brake servo, hydraulic brake assist; front: ventilated discs, aluminum floating-frame calipers; rear: aluminum fixed calipers with electromechanical parking brake
Wheels / tires	8.0Jx17 lightweight forged aluminum wheels / 225 / 55 R17 tyres
Performance / consumption / acoustics	
Top speed in km/h (mph)	250 (155.34) (governed)
Acceleration, 0-100 km/h (0-62.14 mph) in sec	5,5
Fuel / octane value	Premium sulfur-free according to DIN EN 228 / 95 RON
Fuel consumption: city / highway / combined, l/100 km (US mpg)	10.8 (21.78) / 6.6 (35.64) / 8.2 (28.68)
CO2 mass emission, g/km (g/mile)	252 (405.55) / 153 (246.23) / 190 (305.78)
Idling / drive-past exterior noise level in dB (A)	73 / 72
Servicing / guarantee (Germany)	
LongLife Service after max. km (miles)	According to service indicator up to 30,000 (18,641.14) (max. 2 years)
Vehicle / paint / rust perforation guarantee	2 years with unlimited mileage / 3 years / 12 years
Insurance classification in Germany: third party / fully comprehensive / part-comprehensive	Not available at the time of printing
Weights / loads	
Unladen weight according to EU (excluding driver) / (including driver) / gross weight limit; in kg (pounds)	1740 (3,836.04) / 1815 (4,001.39) / 2350 (5,180.86)
Axle load limit at front / rear in kg (pounds)	1230 (2,711.69) / 1250 (2,755.78)
Trailer load limit on 8% / 12% gradient, braked / unbraked in kg (pounds)	2100 (4,629.71) / 2100 (4,629.71) / 750 (1,653.47)
Roof load limit in kg / permissible nose weight in kg (pounds)	100 (220.46) / 85 (187.39)
Capacities	
Engine oil capacity (including filter) in liters (US quarts)	6.75 (7.13)
Fuel tank capacity in liters (US gallons)	75 (19.81)
Body / dimensions	
Body type / number of doors / seats	Unitary, vehicle-safety optimised body in steel/aluminum composite construction / 4 aluminum doors with side impact protection / 5
Drag coefficient Cd / frontal area A in m ² (square feet)	0.28 / 2.3 (24.76)
Length (L103) / width excluding mirrors (W103) / height (H101-M), mm (feet)	4915 (16.13) / 1874 (6.15) / 1455 (4.77) (1468 (4.82) vehicle height with roof-mounted aerial)
Wheelbase (L101) / track at front/rear (W101-1/W101-2), mm (feet)	2912 (9.55) / 1627 (5.34) / 1618 (5.31)
Height of loading lip in mm (H196) (feet)	674 (2.21) (unladen)
Luggage capacity in liters (cubic feet), according to VDA block method (V211) / rear seat bench folded	530 (18.72) / 995 (35.14)