

Technical Data – Audi A5 Sportback 3.0 TDI quattro (176 kW)

Status: January 2010

Model	Audi A5 Sportback 3.0 TDI quattro
Engine / electronics	
Engine type	6-cylinder 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 (hp) / at rpm	176 (240) / 4000 – 4400
Max. torque in Nm (lb-ft) / at rpm	500 (368.78) / 1500 – 3000
Engine management / mixture preparation	Common rail injection system, 1800 bar with piezo injectors, direct injection with eight-hole nozzles, VTG turbocharger with intercooler; swirl and tangential intake ports, regulated swirl port; Bosch EDC; rail-pressure control and multiple injection, charge pressure and EGR control
Exhaust emission control	Air-gap insulated exhaust manifold, water-cooled exhaust gas recirculation, close-coupled oxidizing catalytic converter, close-coupled, maintenance-free diesel particulate filter
Emissions class	EU 5
Alternator in A / battery in A/Ah	150 / 520 / 110
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 center differential, ESP
Clutch	Two electrohydraulically controlled multi-plate clutches in an oil bath
Transmission type	7-speed S tronic direct-shift transmission with electrohydraulic control
Gear ratio in 1st gear / 2nd gear	3.692 / 2.136
Gear ratio in 3rd gear / 4th gear	1.405 / 0.977
Gear ratio in 5th gear / 6th gear	0.745 / 0.574
Gear ratio in 7th gear / 8th gear	0.462 / -
Reverse gear / final drive ratio	2.944 / 3.875
Suspension / steering / brakes	
Front suspension	Five-link front suspension, upper and lower wishbones, tubular anti-roll bar
Rear suspension	Independent-wheel, trapezoidal-link rear suspension with resiliently mounted subframe, anti-roll bar
Steering / steering ratio / turning circle in meters (D102) (feet)	Maintenance-free rack-and-pinion steering with power assistance / 16.3 / 11.5 (37.73)
Brake system, front/rear	Dual-circuit brake system with diagonal split, ABS/EBD and ESP with brake assist; tandem brake booster; front: ventilated disks / rear: disks
Wheels / tyres	8.5 J x 18 lightweight forged aluminium wheels with 245/40 R18 tyres
Performance / consumption / acoustics	
Top speed in km/h (mph)	250 (155.34)
Acceleration, 0-100 km/h (0-62.14 mph) in sec	6.1
Fuel grade	Diesel, according to EN 590
Fuel consumption: combined, l/100 km	6.6
CO ₂ emissions: combined, g/km	174
Idling / drive-past exterior noise level in dB (A)	75 / 69
Servicing / guarantee	
LongLife Service	15,000 kms or 12 months (whichever comes first)
Vehicle / paint / rust perforation guarantee	3 years with unlimited mileage / 3 years / 12 years
Weights / loads	
Unladen weight in kg / gross weight limit in kg (pounds)	1720 / 2250 (3791.95 / 4960.40)
Axle load limit at front / rear in kg (pounds)	1205 / 1170 (2656.57 / 2579.41)
Trailer load limit, unbraked in kg (pounds)	750 (1653.47)
Trailer load limit on 8% / 12% gradient, braked in kg (pounds)	2100 / 1900 (4629.71 / 4188.78)
Roof load limit in kg / permissible nose weight in kg (pounds)	90 / 80 (198.42 / 176.37)
Capacities	
Cooling system capacity (incl. heating) in liters (US gallons)	12.0 (3.17)
Engine oil capacity (including filter) in liters (US quarts)	7.4 (7.82)
Fuel tank capacity in liters (US gallons)	64 (16.91)
Body / dimensions ¹⁾	
Body type	Galvanized, unitary steel body, crumple zones at front and rear
Number of doors / seats	4 doors with additional side protection / 4
Drag coefficient Cd / frontal area A in m ² (square feet)	0.30 / 2.18 (23.47)
Length (L103) / width excluding mirrors (W103) / height (H101-M) in mm (feet)	4711 / 1854 / 1391 (15.46 / 6.08 / 4.56)
Wheelbase (L101)/track at front/rear (W101-1/W101-2) in mm (feet)	2810 / 1590 / 1575 (9.22 / 5.22 / 5.17)
Height of loading lip in mm (H196) (feet)	679 (2.23)
Luggage capacity in liters (cubic feet), according to VDA block method V210-2 (V211-1)	480 (16.95) (with rear seat folded down: 980 (34.61))

1) details of dimensions with unladen vehicle weight