

# Technical Data – Audi A7 Sportback 3.0 TDI quattro

Program for Australia- Status: March 2011

Model	Audi A7 Sportback 3.0 TDI quattro
<b>Engine / electronics</b>	
Engine type	V6 engine with 90° V angle
Valve gear / number of valves per cylinder	Roller cam followers with hydraulic valve play compensation / 4
Displacement in cc	2,967 / 83.0 x 91.4 / 16.8
Max. power output in kW (hp) / at rpm	180 (245) at 4000-4500
Max. torque in Nm (lb-ft) / at rpm	500 (368.78) at 1400-3250
Mixture preparation	Common rail injection system (piezo injectors, max. 1800 bar), direct injection, eight-hole nozzles, VTG turbocharger with intercooler; swirl and tangential intake ports, central swirl flap
Exhaust emission control	Oxidizing primary catalytic converter, water-cooled exhaust gas recirculation, maintenance-free diesel particulate filter
Emissions class	EU 5
Alternator in A / battery in A/Ah	180 (air-cooled) / 520 / 92
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
<b>Drivetrain / transmission</b>	
Drive type	quattro permanent all-wheel drive with self-locking centre differential, ESP
Clutch	Two electrohydraulically controlled multi-plate clutches in an oil bath
Transmission type	7-speed S tronic
Gear ratio in 1st gear / 2nd gear	3.692 / 2.150
Gear ratio in 3rd gear / 4th gear	1.344 / 0.974
Gear ratio in 5th gear / 6th gear	0.739 / 0.574
Gear ratio in 7th gear	0.462
Reverse gear / final drive ratio	2.944 / 4.093
<b>Suspension / steering / brakes</b>	
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)	Electromechanical steering with speed-dependent power assistance / 15.87 / turning circle approx. 11.9
Brake system	Dual-circuit brake system with diagonal split, ESP, brake servo, hydraulic brake assist; ventilated front and rear disc brakes, front: aluminum floating-frame calipers; rear: aluminum floating calipers with electromechanical parking brake
Wheels / tires	18" cast aluminium wheels 7-arm dynamic design with 255/45 R18 tyres
<b>Performance / consumption / acoustics</b>	
Top speed in km/h (mph)	250 (155.34) (governed)
Acceleration, 0-100 km/h (0-62.14 mph) in sec	6.5
Fuel / octane value	Diesel, according to DIN EN 590
Fuel consumption: city / highway / combined, l/100 km	7.2 / 5.3 / 6.0 (ADR 81/02)
CO2 mass emission, g/km	158
Idling / drive-past exterior noise level in dB (A)	71 / 71
<b>Servicing / Warranty</b>	
Service intervals	15,000 km or 12 months
Vehicle / paint / rust perforation guarantee	3/3/12 (years)
<b>Weights / loads</b>	
Unladen weight in kg according to EU (excluding driver) / gross weight limit in kg	1770 / 1845 / 2320
Axle load limit at front / rear in kg	1215 / 1245
Trailer load limit on 8% / 12% gradient, braked / unbraked in kg	2100 / 2000 / 750
Roof load limit in kg / permissible nose weight in kg	100 / 85
<b>Capacities</b>	
Engine oil capacity (including filter) in liters	8
Fuel tank capacity in liters	75
<b>Body / dimensions</b>	
Body type / number of doors / seats	Unitary, vehicle-safety optimised body in steel/aluminum composite construction / 4 aluminum doors with side impact protection / 4
Drag coefficient Cd / frontal area A in m2	0.29 / 2.29
Length (L103) / width excl. mirrors (W103) / height (H101-M), mm	4969 / 1911 / 1420
Wheelbase (L101) / track at front/rear (W101-1/W101-2), mm	2914 / 1644 / 1635
Height of loading lip in mm (H196)	689 (unladen)
Luggage capacity in liters, according to VDA block method (V211) / rear seat bench folded	535 / 1,390

# Technical Data – Audi A7 Sportback 3.0 TFSI quattro

Program for Australia- Status: March 2011

Model	Audi A7 Sportback 3.0 TFSI quattro
<b>Engine / electronics</b>	
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
<b>Drivetrain / transmission</b>	
Drive type	quattro permanent all-wheel drive with self-locking centre differential, ESP
Clutch	Two electrohydraulically controlled multi-plate clutches in an oil bath
Transmission type	7-speed S tronic
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	0.519
Reverse gear / final drive ratio	2.944 / 4.093
<b>Suspension / steering / brakes</b>	
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)	Electromechanical steering with speed-dependent power assistance / 15.87 / turning circle approx. 11.9
Brake system	Dual-circuit brake system with diagonal split, ESP, brake servo, hydraulic brake assist; ventilated front and rear disc brakes, front: aluminum floating-frame calipers; rear: aluminum floating calipers with electromechanical parking brake
Wheels / tires	19" cast aluminium wheels in 10-spoke design with 255/40 R19 tyres
<b>Performance / consumption / acoustics</b>	
Top speed in km/h (mph)	250 (155.34) (governed)
Acceleration, 0-100 km/h (0-62.14 mph) in sec	5.6
Fuel / octane value	premium unleaded / 95 RON
Fuel consumption: city / highway / combined, l/100 km	10.8 / 6.6 / 8.2 (ADR 81/02)
CO2 mass emission, g/km	252 / 153 / 190
Idling / drive-past exterior noise level in dB (A)	73 / 72
<b>Servicing / Warranty</b>	
Service intervals	15,000 km or 12 months
Vehicle / paint / rust perforation guarantee	3/3/ 12 (years)
<b>Weights / loads</b>	
Unladen weight in kg according to EU (excluding driver) / gross weight limit in kg	1770 / 1845 / 2320
Axle load limit at front / rear in kg	1205 / 1255
Trailer load limit on 8% / 12% gradient, braked / unbraked in kg	2100 / 2100 / 750
Roof load limit in kg / permissible nose weight in kg	100 / 85
<b>Capacities</b>	
Engine oil capacity (including filter) in liters	8.1
Fuel tank capacity in liters	75l
<b>Body / dimensions</b>	
Body type / number of doors / seats	Unitary, vehicle-safety optimised body in steel/aluminum composite construction / 4 aluminum doors with side impact protection / 4
Drag coefficient Cd / frontal area A in m2	0.30 / 2.29
Length / width excluding mirrors / height , mm	4969 / 1911 / 1420
Wheelbase (L101) / track at front/rear (W101-1/W101-2), mm	2914 / 1644 / 1635
Height of loading lip in mm (H196)	689 (unladen)
Luggage capacity in liters, according to VDA block method (V211) / rear seat bench folded	535 (V211-2) / 1,390 (V214-1, roof high to 1st row of seats)