

# Technical Data – Audi S6 4.0 TFSI quattro S tronic (309 kW)

Program for Australia

Status: October 2012

<b>Engine / electronics</b>	
Engine type	V8 spark-ignition engine with aluminum engine block and gasoline direct injection, DOHC, exhaust turbocharger, two charge movement flaps, demand-controlled high-pressure and low-pressure fuel system, cylinder on demand, indirect intercooler
Valve gear / number of valves per cylinder	Continuous intake camshaft adjustment / 4
Displacement in cc	3993 / 84.5 x 89 / 10.1
Max. power output in kW / at rpm	309 / 5500 - 6400
Max. torque in Nm / at rpm	550 / 1400 - 5200
Mixture preparation	Fully electronic engine management with drive-by-wire throttle control; 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	EU5
Alternator in A / battery in A/Ah	190 (water-cooled) / 520/92
Start-stop system	Switches the engine off if the vehicle is stationary and the brake is engaged.
<b>Drivetrain / transmission</b>	
Drive type	quattro permanent all-wheel drive with self-locking center differential
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 / 2.150
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
<b>Suspension / steering / brakes</b>	
Front suspension	Five-link front suspension, double upper and lower wishbones, anti-roll bar, air suspension
Rear suspension	Self-tracking trapezoidal-link axle with wishbone, anti-roll bar, air suspension
Steering / steering ratio / turning circle in meters (D102)	Electromechanical steering with speed-dependent power assistance / 16.1 / approx. 11.9
Brake system	Dual-circuit brake system with diagonal split, electronic stabilization control ESC, brake servo, hydraulic brake assist; front: ventilated disks, fixed calipers; rear: ventilated disks, fixed calipers with electromechanical parking brake
Wheels / tyres	8.5 J x 20 cast aluminum wheels with 255/35 R20 tyres
<b>Performance / consumption / acoustics</b>	
Top speed in km/h	250 (governed)
Acceleration, 0-100 km/h in sec	4.6
Fuel / octane value	Premium sulfur-free according to DIN EN 228 / 95/98 RON
Fuel consumption: city / highway / combined, l/100 km	13.4 / 7.5 / 9.6
CO <sub>2</sub> mass emission, g/km	312 / 174 / 225
Idling / drive-past exterior noise level in dB (A)	73 / 72
<b>Service interval / warranty (Australia)</b>	
Service intervals	12 months or 15,000 km
Vehicle / paint / rust perforation warranty	3 years with unlimited kilometres / 3 years / 12 years
<b>Weights / loads</b>	
Unladen weight according to EU (excluding driver) / (including driver) / gross weight limit in kg	1895 / 1970 / 2505
Axle load limit at front / rear in kg	1300 / 1315
Trailer load limit on 8% / 12% gradient, braked / unbraked; in kg	2100 / 2100 / 750
Roof load limit / permissible nose weight; in kg	100 / 85
<b>Capacities</b>	
Cooling system capacity (incl. heating) in litres	12
Engine oil capacity (including filter) in litres	10.3
Fuel tank capacity in litres	75
<b>Body / dimensions</b>	
Body type / number of doors / seats	Unitary, vehicle-safety optimized body in steel/aluminum composite construction / 4 aluminum doors with side impact protection / 5
Drag coefficient Cd / frontal area A in m <sup>2</sup>	0.30 / 2.30
Length (L103) / width excluding mirrors (W103) / height (H101-M), mm	4931/ 1874 / 1440 (1453 vehicle height with roof-mounted aerial)
Wheelbase (L101) / track at front/rear (W101-1/W101-2), mm	2912 / 1627 / 1618
Height of loading lip in mm	674 (unladen)
Luggage capacity in litres, according to VDA block method (V211) / rear seat bench folded	530 / 995