

Technical Data – Audi A6 allroad quattro 3.0 TDI 180 kW S tronic

Program for Australia

Status: October 2012

Engine / electronics	
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	2967 / 83.0 x 91.4 / 16.8
Max. power output in kW / at rpm	180 / 4000 - 4500
Max. torque in Nm / at rpm	580 / 1750 - 2500
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	EU5
Alternator in A / battery in A/Ah	120-180 (air-cooled) / 520 / 92
Start-stop system	Switches the engine off if the vehicle is stationary and the brake is engaged.
Drivetrain / transmission	
Drive type	quattro permanent all-wheel drive with self-locking centre 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	1.344 / 0.974
Gear ratio in 5th gear / 6th gear	0.739 / 0.574
Gear ratio in 7th gear / 8th gear	0.462 / -
Reverse gear / final drive ratio	2.944 / 4.375
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)	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, aluminum composite floating calipers; rear: ventilated disks, cast floating calipers with electromechanical parking brake
Wheels / tyres	8.5J x 20 cast aluminum wheels / 255 / 40 R20 tyres
Performance / consumption / acoustics	
Top speed in km/h	236
Acceleration, 0-100 km/h in sec	6.6
Fuel / octane value	Diesel, sulfur-free, according to DIN EN 590 / -
Fuel consumption: city / highway / combined, l/100 km	7.4 / 5.6 / 6.3
CO2 mass emission, g/km	194 / 148 / 165
Idling / drive-past exterior noise level in dB (A)	71 / 70
Service interval / warranty (Australia)	
Service intervals	12 months or 15,000 km
Vehicle / paint / rust perforation warranty	3 years with unlimited kilometres / 3 years / 12 years
Weights / loads	
Unladen weight according to EU (excluding driver) / (including driver) / gross weight limit in kg	1855 / 1930 / 2505
Axle load limit at front / rear in kg	1255 / 1390
Trailer load limit on 8% / 12% gradient, braked / unbraked in kg	2500 / 2500 / 750
Roof load limit in kg / permissible nose weight in kg	100 / 100
Capacities	
Cooling system capacity (incl. heating) in litres	12
Engine oil capacity (including filter) in liters	6.4
Fuel tank capacity in litres	65 Optional 75
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 m2	0.31 / 2.36
Length (L103) / width excluding mirrors (W103) / height (H101-M), mm	4940 / 1898 / 1452 (low level), 1512 (raised level 2) Height with roof rails: 1474 (low level), 1534 (raised level 2)
Wheelbase (L101) / track at front/rear (W101-1/W101-2), mm	2905 / 1631 / 1596
Height of loading lip in mm (H196)	624 low level / 684 raised level 2 (empty)
Luggage capacity in litres, according to VDA block method (V211) / rear seat bench folded	565 / 1680 (roof high)