

Technical Data – Audi A7 3.0 TDI clean diesel quattro S tronic (160 kW)

Program for Australia

Status: March 2015

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 / bore x stroke in mm / compression	2967 / 83.0 x 91.4 / 16.0
Max. power output in kW / at rpm	160 / 3250 - 4500
Max. torque in Nm / at rpm	500 / 1250 - 3000
Mixture preparation	Common rail injection system (piezo injectors, max. 2000 bar), direct injection, eight-hole nozzles, VTG turbocharger with intercooler; swirl and tangential intake ports, central swirl flap
Exhaust emission control	Oxidizing catalytic converter and diesel particulate filter with SCR coating close to the engine
Emissions class	EU 6
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 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	1.344 / 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 / 3.875
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) (ft)	Electromechanical steering with speed-dependent power assistance / 15.87 / 11.9 (39.0)
Brake system	Dual-circuit brake system with diagonal split, electronic stabilization control (ESC), brake servo, hydraulic brake assist; front: ventilated disks, aluminum fixed calipers; rear: ventilated disks, cast floating calipers with electromechanical parking brake
Wheels / Tyres	19 inch alloy wheels with 255/40 R19 tyres
Performance / consumption / acoustics	
	As per ADR (81/02)
Top speed in km/h	239
Acceleration, 0-100 km/h in sec	6.8
Fuel / octane value	Diesel, sulfur-free, according to DIN EN 590 / -
Fuel consumption: city / highway / combined in l/100 km	6.0 / 4.7 / 5.2
CO ₂ emissions in g/km	156 / 124 / 136
Servicing / warranty (Australia)	
Service intervals	Every 15,000km or 12 months
Vehicle / paint / rust perforation guarantee	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	1825 / 1900 / 2435
Axle load limit at front / rear in kg	1275 / 1305
Trailer load limit on 8% / 12% gradient, braked / unbraked in kg	2100 / 2000 / 750
Roof load limit / permissible nose weight in kg	100 / 85
Capacities	
Cooling system capacity (incl. heating) in l	11.5
Engine oil capacity (including filter) in l	7.9
Fuel tank capacity in l	73
Body / dimensions	
Body type / number of doors / seats	Unitary, vehicle-safety optimized body in steel/aluminum composite construction / 4 aluminum doors with side impact protection / 4
Drag coefficient Cd / frontal area A in m ²	0.29 / 2.29
Length (L103) / width excluding mirrors (W103) / height (H101-M) in mm	4974 / 1911 / 1420
Wheelbase (L101) / track at front/rear (W101-1/W101-2) in mm	2914 / 1644 / 1635
Height of loading lip (H196) in mm	689 (unladen)
Luggage capacity in l, according to VDA block method (V211) / rear seat bench folded	535 (V211-2) / 1390 (V214-1, headlining up to the first row of seats)