

# Technical Data – Audi A7 3.0 TDI clean diesel quattro tiptronic (235 kW)

Program for Australia

Status: March 2015

<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 / bore x stroke in mm / compression	2967 / 83.0 x 91.4 / 15.5
Max. power output in kW / at rpm	235 / 3900 - 4600
Max. torque in Nm / at rpm	650 / 1400 - 2800
Mixture preparation	Common rail injection system (piezo injectors, max. 2000 bar), direct injection, eight-hole nozzles, regulated 2-stage 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 combined with an SCR system
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.
<b>Drivetrain / transmission</b>	
Drive type	quattro permanent all-wheel drive
Clutch	Hydraulic torque converter with lock-up clutch
Transmission type	8-speed tiptronic with DSP and sport program
Gear ratio in 1st gear / 2nd gear	4.714 / 3.143
Gear ratio in 3rd gear / 4th gear	2.106 / 1.667
Gear ratio in 5th gear / 6th gear	1.285 / 1.000
Gear ratio in 7th gear / 8th gear	0.839 / 0.667
Reverse gear / final drive ratio	3.317 / 2.375
<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) (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	20 inch alloy wheels with 265/35 R20 tyres
<b>Performance / consumption / acoustics</b>	
Top speed in km/h	As per ADR (81/02) 250 (governed)
Acceleration, 0-100 km/h in sec	5.2
Fuel / octane value	Diesel, sulfur-free, according to DIN EN 590 / -
Fuel consumption: city / highway / combined in l/100 km	7.4 / 5.4 / 6.1
CO <sub>2</sub> emissions in g/km	195 / 142 / 162
CO in g/km / particle value	0.1544 / 0.00046
HC / NO <sub>x</sub> in g/km	0.0889 / 0.0686
Idling / drive-past exterior noise level in dB	84 / 74
<b>Servicing / warranty (Australia)</b>	
Service intervals	Every 15,000km or 12 months
Vehicle / paint / rust perforation guarantee	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	1295 / 1340
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 l	11.5
Engine oil capacity (including filter) in l	8
Fuel tank capacity in l	73
<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 / 4
Drag coefficient Cd / frontal area A in m <sup>2</sup>	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)