

Technical Data – Audi A8 L 3.0 TDI quattro tiptronic (190 kW)

Program for Australia

Status: May 2014

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 / 16.8
Max. power output in kW / at rpm	190 / 4000 - 4250
Max. torque in Nm / at rpm	580 / 1750 - 2500
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, swirl flap
Exhaust emission control	Oxidizing catalytic converter and diesel particulate filter with SCR coating
Emissions class	EU 6
Alternator in A / battery in A/Ah	190 (water-cooled) / 580/105
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, electronic stabilisation control (ESC)
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 / 2.624
Suspension / steering / brakes	
Front suspension	Five-link front suspension, upper and lower wishbones, tubular anti-roll bar, air suspension
Rear suspension	Trapezoidal-link suspension with wishbones, tubular anti-roll bar, air suspension
Steering / steering ratio / turning circle in metres (D102)	Electromechanical steering with speed-dependent power assistance / 15.1 / 12.7
Brake system	Dual-circuit brake system with diagonal split with ESC/ABS/EBD, brake booster; hydraulic brake assist; front and rear disk brakes: ventilated; electromechanical parking brake
Wheels / tyres	Aluminium alloy wheels 9.0Jx19 / 255/45 R19 104Y XL
Performance / consumption / acoustics	
Top speed in km/h	250 (governed)
Acceleration, 0-100 km/h in sec	6.1
Fuel / octane value	Diesel, sulphur-free, according to DIN EN 590 / -
Fuel consumption: city / highway / combined in l/100 km	7.5 / 5.2 / 6.0
CO ₂ mass emission in g/km	196 / 136 / 158
CO in g/km / particle value	0.22 / 0.00051
HC / NO _x in g/km	/ 0.053
Idling / drive-past exterior noise level in dB (A)	67 / 70
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	1935 / 2010 / 2585
Axle load limit at front / rear in kg	1320 / 1415
Trailer load limit on 8% / 12% gradient, braked / unbraked in kg	2200 / 2200 / 750
Roof load limit / permissible nose weight in kg	100 / 95
Capacities	
Cooling system capacity (incl. heating) in litres	12.9
Engine oil capacity (including filter) in litres	6.4
Fuel tank capacity in litres	82
Body / dimensions	
Body type / number of doors / seats	Aluminum: Audi Space Frame ASF / 4 / 5
Drag coefficient Cd / frontal area A in m ²	0.26 / 2.41
Length (L103) / width excluding mirrors (W103) / height (H101-M) in mm	5265 / 1949 / 1471
Wheelbase (L101) / track at front/rear (W101-1/W101-2) in mm	3122 / 1644 / 1635
Height of loading lip (H196) in mm	690
Luggage capacity in litres, according to VDA block method (V211) / rear seat bench folded	490 /