

Technical Data – Audi A8 4.2 TDI quattro tiptronic (283 kW)

Program for Australia

Status: May 2014

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| Engine / electronics | |
| Engine type | V8 engine with 90° V angle |
| Valve gear / number of valves per cylinder | Chain drive, roller cam followers with hydraulic valve play compensation / 4 |
| Displacement in cc / bore x stroke in mm / compression | 4134 / 83.0 x 95.5 / 16.5 |
| Max. power output in kW / at rpm | 283 / 3750 |
| Max. torque in Nm / at rpm | 850 / 2000 - 2750 |
| Mixture preparation | Common rail injection system (piezo injectors, max. 2000 bar), direct injection, eight-hole nozzles, VTG twin turbochargers with intercooler; swirl and tangential intake ports, swirl flaps |
| Exhaust emission control | Two oxidizing catalytic converters and two diesel particulate filters 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 / 2.381 |
| 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 / 12.3 |
| 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 9.0Jx20 / 265/40 R20 104 Y XL |
| Performance / consumption / acoustics | |
| Top speed in km/h | 250 (governed) |
| Acceleration, 0-100 km/h in sec | 4.7 |
| Fuel / octane value | Diesel, according to DIN EN 590 / |
| Fuel consumption: city / highway / combined in l/100 km | 9.4 / 6.1 / 7.4 |
| CO2 mass emission in g/km | 247 / 161 / 194 |
| CO in g/km / particle value | 0.32 / 0.00033 |
| HC / NOx in g/km | / 0.066 |
| Idling / drive-past exterior noise level in dB (A) | 70 / 72 |
| 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 | 2040 / 2115 / 2705 |
| Axle load limit at front / rear in kg | 1400 / 1435 |
| Trailer load limit on 8% / 12% gradient, braked / unbraked in kg | 2300 / 2300 / 750 |
| Roof load limit / permissible nose weight in kg | 100 / 95 |
| Capacities | |
| Cooling system capacity (incl. heating) in litres | 11.7 |
| Engine oil capacity (including filter) in litres | 9.5 |
| 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 m2 | 0.27 / 2.41 |
| Length (L103) / width excluding mirrors (W103) / height (H101-M) in mm | 5135 / 1949 / 1460 |
| Wheelbase (L101) / track at front/rear (W101-1/W101-2) in mm | 2992 / 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 / - |