

Technical Data – Audi RS 6 Avant 4.0 TFSI quattro tiptronic (412 kW)

Program for Australia

Status: July 2013

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| Engine / electronics | |
| Engine type | V8 spark-ignition engine with aluminum engine block and gasoline direct injection, DOHC, exhaust turbocharger, two charge movement flaps, demand-controlled high-pressure and low-pressure fuel system, cylinder on demand, indirect intercooler |
| Valve gear / number of valves per cylinder | Continuous intake camshaft adjustment / 4 |
| Displacement in cc / bore x stroke in mm / compression | 3993 / 84.5 x 89 / 10.1 |
| Max. power output in kW / at rpm | 412 / 5700-6600 |
| Max. torque in Nm / at rpm | 700 / 1750-5500 |
| Mixture preparation | Fully electronic engine management with drive-by-wire throttle control; gasoline direct injection, cylinder-selective lambda control, mapped ignition with solid-state high-voltage distribution, cylinder-selective adaptive knock control; manifold-pressure controlled system |
| Exhaust emission control | Two close-coupled ceramic main catalytic converters each with a pre- and post-catalyst oxygen sensor, secondary air system |
| Emissions class | EU 5 |
| Alternator in A / battery in A/Ah | 190 (water-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 | 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 / 3.076 |
| Suspension / steering / brakes | |
| Front suspension | Five-link front suspension, double upper and lower wishbones, anti-roll bar, air suspension, with Dynamic Ride Control |
| Rear suspension | Self-tracking trapezoidal-link axle with wishbone, anti-roll bar, air suspension, with Dynamic Ride Control |
| Steering / steering ratio / turning circle in metres (D102) | Electromechanical steering with speed-dependent power assistance / 13.0 / 11.9 |
| Brake system | Dual-circuit brake system with diagonal split, electronic stabilization control (ESC), brake servo, hydraulic brake assist; front: ventilated disks, fixed calipers; rear: ventilated disks, fixed calipers with electromechanical parking brake |
| Wheels / tyres | Cast aluminium wheel 21 x 9.5J, 285/30 R21 100Y tyres |
| Performance / consumption / acoustics | |
| Top speed in km/h | 250 / 280 / 305 |
| Acceleration, 0-100 km/h in sec | 3.9 |
| Fuel / octane value | Premium sulphur-free according to DIN EN 228 / 98/95 RON |
| Fuel consumption: city / highway / combined in l/100 km | 13.9 / 7.5 / 9.8 |
| CO ₂ emissions in g/km (combined) | 324 / 174 / 229 |
| Idling / drive-past exterior noise level in dB (A) | 71 / 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 / 2565 |
| Axle load limit at front / rear in kg | 1310 / 1360 |
| Trailer load limit on 8% / 12% gradient, braked / unbraked in kg | 2100 / 2100 / 750 |
| Roof load limit / permissible nose weight in kg | 100 / 85 |
| Capacities | |
| Cooling system capacity (incl. heating) in litres | 13 |
| Engine oil capacity (including filter) in litres | 8.3 |
| Fuel tank capacity in litres | 75 |
| Body / dimensions | |
| Body type / number of doors / seats | Unitary, vehicle-safety optimised body in steel/aluminium composite construction / 4 aluminium doors with side impact protection / 5 |
| Drag coefficient Cd / frontal area A in m ² | 0.352 / 2.4 |
| Length (L103) / width excluding mirrors (W103) / height (H101-M) in mm | 4979 / 1936 / 1461 (1482 vehicle height with roof-mounted aerial) |
| Wheelbase (L101) / track at front/rear (W101-1/W101-2) in mm | 2915 / 1662 / 1663 |
| Height of loading lip (H196) in mm | 631(unladen) |
| Luggage capacity in litres, according to VDA block method (V211) / rear seat bench folded | 565 / 1680 (roof high) |