

Technical Data – Audi RS 6 Avant

Australia. Status: October 2008

Model	Audi RS 6 Avant
Engine / electrics	
Engine type	Aluminium ten-cylinder V90° spark-ignition engine with FSI petrol direct injection, twin turbochargers, regulated high-pressure and low-pressure fuel system
Valve gear / number of valves per cylinder	DOHC cylinder head, roller cam followers with hydraulic valve-play compensation, continuous camshaft adjustment for the intake and exhaust valves, maintenance-free timing assembly via chain / 4V
Displacement in cc / bore x stroke in mm / compression	4991 / 84.5 x 89.0 / 10.5 : 1
Maximum power output in kW (bhp) / at rpm	426 (580) / 6250-6700
Maximum torque in Nm / at rpm	650 / 1500-6250
Engine management / mixture preparation	Fully electronic engine management, single-rod ignition coils, 2 control units as 'master-slave' concept, drive-by-wire throttle control, sequential petrol direct injection, cylinder-selective knock control, adaptive lambda control (per cylinder bank), mapped ignition with solid-state high-voltage distribution, comfort and quick-start system / secondary air system, Bosch ME9.1.2
Exhaust emission control	Single-pipe manifold with 4 integrated close-coupled main catalytic converters, each with pre-catalyst and post-catalyst probe
Emissions rating	Euro 4
Alternator in A / battery in A/Ah	190 / 520 / 110
Drive / transmission	
Drivetrain type	quattro permanent four-wheel drive with self-locking centre differential with asymmetric/dynamic distribution of torque electronic stabilisation program ESP, ASR traction control, electronic differential lock EDL
Clutch	Hydraulic torque converter with lock-up clutch
Gearbox type	6-speed tiptronic with DSP (Dynamic Shift Program) and Sport program
Gear ratio in 1st gear / 2nd gear	4.171 / 2.340
Gear ratio in 3rd gear / 4th gear	1.521 / 1.143
Gear ratio in 5th gear / 6th gear	0.867 / 0.691
Reverse gear / final drive ratio	3.403 / 3.317
Running gear / steering / brakes	
Front suspension	Independent four-link front suspension with virtual steering axis, anti-roll bar, spring/damper unit
Rear suspension	Independent-wheel, trapezoidal-link rear suspension, anti-roll bar
Steering / steering ratio / turning circle in m (D102)	Maintenance-free rack-and-pinion steering with speed-dependent power assistance (servotronic) 12.5 / 12.2
Brake system, front/rear	Dual-circuit brake system with diagonal split, anti-lock brake system ABS, brake servo, electronic brake-force distribution EBD and ESP, ventilated brake discs at front and rear, front: six-piston high-performance brakes
Wheels / tyres	9.5J x 20 alloy wheels in 5-spoke design / 275/35 R20
Performance / consumption / acoustics	
Top speed in km/h	250 (governed)
Acceleration 0-100 / 0-200 km/h in seconds	4.6 / 14.9
Fuel type	Unleaded Super, 95 RON (91 RON with slight reduction in performance)
Fuel consumption: urban / extra urban / overall, l/100 km	20.4 / 10.3 / 14.0
CO ₂ mass emission, g/km	333
Standing / drive-past exterior noise level in dB (A)	84/74
Servicing / guarantee	
Oil change / inspection	Acc. to service indicator, depending on operating conditions (maximum 2 years)
Vehicle/paint/rust perforation guarantee	3 years with unlimited mileage / 3 years / 12 years
Weights / loads	
Unladen weight in kg / gross weight limit in kg	2025 / 2655
Axle load limit at front / rear in kg	1410 / 1380
Roof load limit in kg	100
Capacities	
Cooling system capacity (incl. heating) in litres	14
Engine oil capacity (incl. filter) in litres	11.2
Fuel tank capacity in litres	80
Body / dimensions	
Body type	Unitary steel body, galvanised, aluminium wings and bonnet
Number of doors / seats	4 doors / 5 seats
Drag coefficient Cd / frontal area A in m ²	0.35 / 2.36
Length (L103)/ width excl. mirrors (W103)/ height (H100), mm	4928 / 1889 / 1460
Wheelbase (L101)/ track at front/rear (W101/W102), mm	2846 / 1614 / 1637
Height of loading lip in mm (H195)	630
Luggage capacity in l, acc. to VDA block method (V210)	565 - 1660 (loaded up to roof with rear seat folded down)