

Technical Data – Audi RS 6 Avant performance 4.0 TFSI quattro tiptronic (445 kW)

Program for Australia

Status: April 2016

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 / 9.3
Max. power output in kW / at rpm	445 / 6100 - 6800
Max. torque in Nm / at rpm	700 / 1750 - 6000 750 / 2500 - 5500 (overboost)
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 6
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 / suspension with Dynamic Ride Control
Rear suspension	Self-tracking trapezoidal-link axle with wishbone, anti-roll bar, air suspension/suspension with Dynamic Ride Control
Steering / steering ratio / turning circle in m (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 discs, fixed calipers; rear: ventilated discs, fixed calipers with electromechanical parking brake
Wheels / Tyres	21-inch alloy wheels with 285/30 R20 tyres
Performance / consumption / acoustics	
Top speed in km/h	250 (optional: 280 / 305)
Acceleration, 0-100 km/h in sec	3.7
Fuel / octane value	Super Plus sulphur-free according to DIN EN 228 / 98/95 RON
Idling / drive-past exterior noise level in dB	71 / 70
Consumption / emissions (according to tyre size)	
Tire category 1: 21-inch	As per ADR (81/02)
Fuel consumption: city / highway / combined, in l/100 km	13.5 / 7.5 / 9.7
CO ₂ mass emission city / highway / combined, in g/km	313 / 176 / 226
Servicing / Warranty	
Scheduled service intervals	15,000km or 12 months, whichever come first
Vehicle / paint / rust perforation warranty	unlimited kilometres up to 3 years / 3 years / 12 years
Weights / loads	
Unladen weight according to EU (excluding driver) / (including driver) / gross weight limit in kg	1950 / 2025 / 2580
Axle load limit at front / rear in kg	1290 / 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 l	13
Engine oil capacity (including filter) in l	8.3
Fuel tank capacity in l	75
Body / dimensions	
Body type / number of doors / seats	Unitary, vehicle-safety optimised body in steel/aluminum composite construction / 4 aluminum doors with side impact protection / 4/5
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 compartment volume / with rear seat bench folded in l	565 (V211) / 1680 (roof high)