

Technical Data – Audi RS 7 Sportback 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 meters (D102) (ft)	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
Wheels / Tyres	21 inch alloy wheels with 275/30 R21 tyres
Performance / consumption / acoustics	
	As per ADR (81/02)
Top speed in km/h	250 / 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
Fuel consumption: city / highway / combined in l/100 km	13.4 / 7.4 / 9.6
CO ₂ emissions in g/km	311 / 173 / 224
Idling / drive-past exterior noise level in dB	71 / 70
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	1930 / 2005 / 2515
Axle load limit at front / rear in kg	1290 / 1275
Roof load limit / permissible nose weight in kg	100 / -
Capacities	
Cooling system capacity (incl. heating) in l	13
Engine oil capacity (including filter) in l	8.3
Fuel tank capacity in l	65 / 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
Drag coefficient Cd / frontal area A in m ²	0.30 / 2.29
Length (L103) / width excluding mirrors (W103) / height (H101-M) in mm	5012 / 1911 / 1419
Wheelbase (L101) / track at front/rear (W101-1/W101-2) in mm	2915 / 1634 / 1625
Height of loading lip (H196) in mm	688 (unladen)
Luggage capacity in l, according to VDA block method (V211) / rear seat bench folded	535 (V211-2) / 1390 (V214-1, roof high)