

Technical Data Audi R8 Coupé 5.2 FSI quattro S tronic (397 kW)

Program for Australia

Status: May 2016

Engine / electronics	
Engine type	V10 gasoline engine (90° V angle) with dry sump lubrication, gasoline direct injection, four valve technology, DOHC cylinder head
Valve gear / number of valves per cylinder	Continuous intake and exhaust camshaft adjustment, roller cam followers with hydraulic support element / 4
Displacement in cc / bore x stroke in mm / compression	5204 / 84.5 x 92.8 / 12.5
Max. power output in kW / at rpm	397 / 7800
Max. torque in Nm / at rpm	540 / 6500
Mixture preparation	Combined injection system: gasoline direct injection and manifold injection
Exhaust emission control	One primary catalytic converter and one main catalytic converter per cylinder bank
Emissions class	EU 6
Alternator in A / battery in A/Ah	210 water-cooled / 420/75
Start-stop system	Switches the engine off if the vehicle is stationary and the brake is engaged.
Drivetrain / transmission	
Drive type	All-wheel drive, mechanical differential lock, traction control (ASR)
Clutch	Two electrohydraulically controlled multi-plate clutches in an oil bath
Transmission type	7-speed S tronic
Gear ratio in 1st gear / 2nd gear	3.133 / 2.588
Gear ratio in 3rd gear / 4th gear	1.880 / 1.140
Gear ratio in 5th gear / 6th gear	0.898 / 0.884
Gear ratio in 7th gear / 8th gear	0.653 / -
Reverse gear / final drive ratio	2.647 /
Suspension / steering / brakes	
Front suspension	Double-wishbone suspension
Rear suspension	Double-wishbone suspension
Steering / steering ratio / turning circle in m (D102)	Basic: electromechanical steering (EPS) with $i = 15.7$ Optional: dynamic steering (EPS with ADS) with speed-dependent power assistance/ 11.2
Brake system	Standard: 8-piston fixed caliper brakes at front, 4-piston fixed caliper brakes at rear; wave brake disks front and rear, ventilated, perforated and floating Optional: 6-piston fixed caliper brakes at front, 4-piston fixed caliper brakes at rear; carbon fiber-reinforced ceramic brake disks with specially developed cooling ducts, ventilated, perforated and floating; electromechanical parking brake at the rear
Wheels / tires	Front axle: 8.5Jx19 245/35 R19 Rear axle: 11Jx19 295/35 R19
Performance / consumption / acoustics	
Top speed in km/h	320
Acceleration, 0-100 km/h in s	3.5
Fuel / octane value	Super Plus / 98 RON
Idling / drive-past exterior noise level in dB (A)	74
Consumption / emissions (according to tire size)	
Tire category 1: 19-inch	
Fuel consumption: city / highway / combined, in l/100 km	16.7 / 8.4 / 11.4
CO ₂ mass emission city / highway / combined, in g/km	394 / 200 / 272
Servicing / guarantee (Australia)	
Service inspection after max. km	According to service indicator up to 15,000 km (max. 1 year)
Vehicle / paint / rust perforation guarantee	3 years with unlimited mileage / 3 years / 12 years
Weights / loads	
Unladen weight according to EU (excluding driver) / (including driver) / gross weight limit in kg	Unladen weight: 1595 Dry weight: 1487 / 1670 / 1895
Axle load limit at front / rear in kg	890 / 1100
Trailer load limit on 8% / 12% gradient, braked / unbraked in kg	- / - / -
Roof load limit / permissible nose weight in kg	-
Capacities	
Cooling system capacity (incl. heating) in l	24.7
Engine oil capacity (including filter) in l	8.3
Fuel tank capacity in l	83
Body / dimensions	
Body type / number of doors / seats	Coupé / 2 / 2
Drag coefficient Cd / frontal area A in m ²	0.36 / 2.01
Length (L103) / width excluding mirrors (W103) / height (H101-M) in mm	4426 / 1940 / 1240 Rear overhang: 782 mm Front overhang: 994 mm
Wheelbase (L101) / track at front/rear (W101-1/W101-2) in mm	2650 / 1638 / 1599
Luggage capacity in l	112 / capacity behind the seats: 226