

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

Program for Germany

Status: September 2017

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| <b>Engine / electronics</b>  |  |
| 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   | 5204 / 84.5 x 92.8 / 12.5  |
| Max. power output in kW (hp) / at rpm  | 397 (540) / 7800   |
| Max. torque in Nm (lb-ft) / at rpm   | 540 (398.3) / 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  | EU6  |
| 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  |
| <b>Drivetrain / transmission</b>   |  |
| Drive type   | rear-wheel drive, mechanical differential lock, Anti-Slip Regulation (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 /<br>I: 4.458 for reverse, 1st, 4th + 5th, II: 3.588 for 2nd, 3rd, 6th + 7th   |
| <b>Suspension / steering / brakes</b>  |  |
| Front suspension   | double-wishbone suspension   |
| Rear suspension  | double-wishbone suspension   |
| Steering / steering ratio / turning circle in m (D102) (ft)  | electromechanical steering with $i = 15.7 / 11.2$ (36.7)   |
| Brake system   | standard: 8-piston fixed caliper brakes at front, 4-piston fixed caliper brakes at rear; wave brake discs front and rear, ventilated, perforated and floating<br>electromechanical parking brake at rear |
| Wheels / tires   | front: 8.5J x 19 / 245/35 R19 ZR 93 Y XL;<br>rear: 11J x 19 / 295/35 R19 ZR 102Y   |
| <b>Performance / fuel / acoustics</b>  |  |
| Top speed in km/h (mph)  | 320 (198.8)  |
| Acceleration, 0-100 km/h (0-62.1 mph) in s   | 3,7  |
| Fuel / octane value  | Super Plus / 98 RON  |
| Idling / drive-past exterior noise level in dB (A)   | 70   |
| <b>Consumption / emissions</b>   |  |
| Fuel consumption: city / highway / combined, in l/100 km (US mpg)                                      | 19.0 (12.4) / 8.6 (27.4) / 12.4 (19.0)   |
| CO <sub>2</sub> mass emission in g/km (g/mi)   | 433 (696.8) / 196 (315.4) / 283 (455.4)  |
| <b>Servicing / guarantee (Germany)</b>   |  |
| Service inspection after max. km (mi)  | According to service indicator, depending on driving style and operating conditions between 15,000 km (9,320.6 mi) or 1 year and 30,000 km (18,641.1 mi) or 2 years<br>2 years / 3 years / 12 years      |
| Vehicle / paint / rust perforation guarantee   | 13 / 32 / 30   |
| Insurance classification in Germany: third party / fully comprehensive / part-comprehensive            |  |
| <b>Weights / loads</b>   |  |
| Unladen weight according to EU (excluding driver) / (including driver) / gross weight limit in kg (lb) | 1590 (3505.3) / 1665 (3680.7) /<br>1890 (4166.7)   |
| Axle load limit at front / rear in kg (lb)   | 975 (2149.5) / 1130 (2491.2)   |
| <b>Capacities</b>  |  |
| Cooling system capacity (incl. heating) in l (US gal)  | 24.7 (6.5)   |
| Engine oil capacity (including filter) in l (US qt)  | 8.3 (8.8)  |
| Fuel tank capacity in l (US gal)   | 83 (21.9)  |
| <b>Body / dimensions</b>   |  |
| Body type / number of doors / seats  | Audi Space Frame ASF / 2 / 2   |
| Drag coefficient Cd / frontal area A in m <sup>2</sup> (sq ft)   | 0.36 / 2.01 (21.6)   |
| Length (L103) / width excluding mirrors (W103) / height (H101-M) in mm (ft)                            | 4426 (14.5) / 1940 (6.4) / 1240 (4.07)   |
| Wheelbase (L101) / track at front/rear (W101-1/W101-2) in mm (ft)                                      | 2650 (8.7) / 1638 (5.4) / 1599 (5.2)   |
| Luggage capacity in liters (cu ft), according to VDA block method (V211)                               | 112 (4.0)  |