

Technical Data – Audi RS 3 Sedan 2.5 TFSI quattro S tronic (294 kW)

Program for Germany

Status: January 2017

Engine / electronics	
Engine type	inline five-cylinder spark-ignition engine with gasoline direct injection, exhaust turbocharger with intercooler (maximum boost pressure is 2.35 bar absolute), four valves per cylinder, double overhead camshaft (DOHC)
Valve gear / number of valves per cylinder	continuous intake and exhaust camshaft adjustment / 4
Displacement in cc / bore x stroke in mm / compression	2480 / 82.5 x 92.8 / 10:1
Max. power output in kW (hp) / at rpm	294 (400) / 5850 - 7000
Max. torque in Nm (lb-ft) / at rpm	480 (354.0) / 1700 - 5850
Mixture preparation	MED 17.1.62
Exhaust emission control	dual-branch exhaust system with one close-coupled primary catalytic converter, one LSU upstream of primary cat, one LSF downstream of primary cat. continuous lambda control
Emissions class	EU 6
Alternator in A / battery in A/Ah	140 (recuperation capability) / 420/75
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 electronically controlled multi-plate clutch, Electronic Differential Lock (EDL)
Clutch	dual-clutch made up of two wet multidisk clutches
Transmission type	7-speed S tronic direct-shift transmission
Gear ratio in 1st gear / 2nd gear	3.563 / 2.526
Gear ratio in 3rd gear / 4th gear	1.679 / 1.022
Gear ratio in 5th gear / 6th gear	0.788 / 0.761
Gear ratio in 7th gear / 8th gear	0.635
Reverse gear / final drive ratio	2.789 / 4.059 (1st, 4th, 5th + reverse gear); 3.450 (2nd, 3rd, 6th + 7th gear)
Suspension / steering / brakes	
Front suspension	MacPherson struts with steel lower wishbones, aluminum pivot bearings, aluminum subframe, tubular anti-roll bar, track-stabilizing steering roll radius
Rear suspension	four-link rear suspension with separate spring/shock absorber arrangement, subframe, aluminum wheel carriers, tubular anti-roll bar
Steering / steering ratio / turning circle in m (D102) (ft)	electromechanical progressive steering with speed-dependent power assistance / 14.6 / 11 (36.1)
Brake system	dual-circuit brake system with diagonal split, Electronic Stabilization Control (ESC), hydraulic brake assist, disk brakes (370x34 mm) at front, perforated, ventilated, round ceramic optional; monobloc disk at rear (310x22 mm); Brake system: 19" with 8-piston fixed caliper / 17" with single-piston floating caliper
Wheels / tires (basic)	8.0J x 19 ET42 / 235/35 R19 91Y XL RO2
Performance / fuel / acoustics	
Top speed in km/h (mph)	250 km/h (155.3), optionally 280 km/h (174.0)
Acceleration, 0-100 km/h (0-62.1 mph) in s	4.1
Fuel type / octane value	Super Plus sulfur-free 98 RON according to EN 228 / 98 RON
Idling / drive-past exterior noise level in dB (A)	98 / 71
Fuel consumption / emissions (according to tire size)	
Tire category 1	
Fuel consumption: city / highway / combined, in l/100 km (US mpg)	11.3 (20.8) / 6.5 (36.2) / 8.3 (28.3)
CO ₂ mass emission city / highway / combined, in g/km (g/mi)	258 (415.2) / 148 (238.2) / 188 (302.6)
Tire category 2	
Fuel consumption: city / highway / combined, in l/100 km (US mpg)	11.4 (20.6) / 6.6 (35.6) / 8.4 (28.0)
CO ₂ mass emission city / highway / combined, in g/km (g/mi)	260 (418.4) / 152 (244.6) / 191 (307.4)
Servicing / guarantee (Germany)	
Service inspection after max. km (mi)	according to service indicator up to 60,000 km (37,282.3) (max. 6 years)
Vehicle / paint / rust perforation guarantee	2 years / 6 years / 12 years
Insurance classification in Germany: third party / fully comprehensive / part-	20 / 26 / 24
Weights / loads	
Unladen weight according to EU (excluding driver) / (including driver) / gross weight limit in kg (lb)	1515 (3340.0) / 1590 (3505.4) / 2005 (4420.3)
Axle load limit at front / rear in kg (lb)	1075 (2370.0) / 1035 (2281.8)
Trailer load limit on 8% / 12% gradient, braked / unbraked in kg (lb)	- / - / -
Roof load limit / permissible nose weight in kg (lb)	75 (165.4) / -
Capacities	
Cooling system capacity (incl. heating) in l (US gal)	approx. 9.65 (2.6)
Engine oil capacity (including filter) in l (US qt)	7.1 (7.5)
Fuel tank capacity in l (US gal)	55 (14.5)
Body / dimensions	
Body type / number of doors / seats	Audi Space Frame (ASF) in hybrid construction / 4 / 5
Drag coefficient Cd / frontal area A in m ² (sq ft)	0.332 / 2.14 (23.0)
Length (L103) / width excluding mirrors (W103) / height (H101-M) in mm (ft)	4479 (14.7) / 1802 (5.9) / 1397 (4.6)
Wheelbase (L101) / track at front/rear (W101-1/W101-2) in mm (ft)	2631 (8.6) / 1559 (5.1)/1528 (5.0)
Height of loading lip (H196) in mm (ft)	672 (2.2)
Luggage capacity / with rear seat bench folded in l (cu ft)	315 (11.1) / 770 (27.2)