

# Technical Data – Audi RS 3 Sportback 2.5 TFSI quattro S tronic (270 kW)

Program for Germany

Status: November 2014

<b>Engine / electronics</b>	
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 camshafts (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
Max. power output in kW (hp) / at rpm	270 (367) / 5550 - 6800
Max. torque in Nm (lb-ft) / at rpm	465 (343.0) / 1625 - 5550
Mixture preparation	MED 17.1.1
Exhaust emission control	Dual-branch exhaust system with one close-coupled primary catalytic converter, two underfloor catalytic converters, 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.
<b>Drivetrain / transmission</b>	
Drive type	quattro permanent all-wheel drive with electronically controlled multi-plate clutch, electronic differential lock EDL
Clutch	Dual clutch made up of two concentrically arranged wet single 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/ I: 4.059 for 1st, 4th, 5th + reverse, II: 3.450 for 2nd, 3rd, 6th + 7th
<b>Suspension / steering / brakes</b>	
Front suspension	McPherson 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 steering with speed-dependent power assist / steering wheel turns lock to lock: 2.13 / steering ratio 14.34 in center position, stroke 79 mm / 10.9 (35.8)
Brake system	Dual-circuit brake system with diagonal split, electronic stabilization control (ESC), hydraulic brake assist, disk brake (365 x 34 mm [14.4 x 1.3 in]) at front in wave technology, perforated, ventilated, composite disk at rear (310 x 22 mm [12.2 x 0.9 in]); Brake system: 19" with 8-piston fixed caliper / 17" with single-piston floating caliper
Wheels / tires (basic)	235/35R19 91Y XL R01 on 8.0Jx19 offset 49
<b>Performance / consumption / acoustics</b>	
Top speed in km/h (mph)	250 km/h (155.3), optional 280 km/h (174.0)
Acceleration, 0-100 km/h (0-62.1 mph) in sec	4.3
Fuel / octane value	Super Plus sulfur-free 98 RON according to EN 228 / 98 RON
Idling / drive-past exterior noise level in dB (A)	90 / 74
<b>Consumption / emissions (according to tire size)</b>	
<b>Tire category 1: 235/35 R19 H17 front and rear</b>	
Fuel consumption: city / highway / combined, in l/100 km (US mpg)	11.2 (21.0) / 6.3 (37.3) / 8.1 (29.0)
CO <sub>2</sub> mass emission city / highway / combined, in g/km (g/mi)	261 (420.0) / 147 (236.6) / 189 (304.2)
<b>Tire category 2: 255/30 R19 front and 235/35 R19 rear Q52</b>	
Fuel consumption: city / highway / combined, in l/100 km (US mpg)	11.4 (20.6) / 6.5 (36.2) / 8.3 (28.3)
CO <sub>2</sub> mass emission city / highway / combined, in g/km (g/mi)	268 (431.3) / 151 (243.0) / 194 (312.2)
CO in g/km (g/mi) / particle value	0.0754 (0.1)
HC / NOx in g/km (g/mi)	0.0237 (0.04) / 0.0349 (0.06)
<b>Servicing / guarantee (Germany)</b>	
Service inspection after max. km (mi)	According to service indicator up to 30,000 km (18,641.1) (max. 2 years)
Vehicle / paint / rust perforation guarantee	2 years with unlimited mileage / 3 years / 12 years
Insurance classification in Germany: third party / fully comprehensive / part-comprehensive	20 / 24 / 26
<b>Weights / loads</b>	
Unladen weight according to EU (excluding driver) / (including driver) / gross weight limit in kg (lb)	1520 (3351.0) / 1595 (3516.4) / 2020 (4453.3)
Axle load limit at front / rear in kg (lb)	1080 (2381.0) / 1030 (2270.8)
Roof load limit / permissible nose weight in kg (lb)	75 (165.3)
<b>Capacities</b>	
Cooling system capacity (incl. heating) in l (US gal)	9.1 (2.4)
Engine oil capacity (including filter) in l (US qt)	6.5 (6.9)
Fuel tank capacity in l (US gal)	55 (14.5)
<b>Body / dimensions</b>	
Body type / number of doors / seats	Galvanized, unitary steel body, crumple zones at front and rear / 5 doors with additional side protection / 5
Drag coefficient Cd / frontal area A in m <sup>2</sup> (sq ft)	0.34 / 2.16 (23.3)
Length (L103) / width excluding mirrors (W103) / height (H101-M) in mm (ft)	4343 (14.2) / 1800 (5.9) / 1411 (4.6)
Wheelbase (L101) / track at front/rear (W101-1/W101-2) in mm (ft)	2631 (8.6) / 1559 (5.1) / 1514 (5.0)
Height of loading lip (H196) in mm (feet)	642 (2.1)
Luggage compartment volume / with rear seat bench folded in l (cu ft)	280 (9.9) / 1120 (39.6)