

Technical Data – Audi S5 Sportback 3.0 TFSI quattro tiptronic (260 kW)

Program for Germany

Status: September 2016

Engine / electronics	
Engine type	V6 spark-ignition engine with aluminum engine block and gasoline direct injection, DOHC, exhaust turbocharger, demand-controlled high-pressure and low-pressure fuel system, Audi valvelift system (AVS), direct intercooler
Valve gear / number of valves per cylinder	Continuous camshaft adjustment / 4
Displacement in cc / bore x stroke in mm / compression	2995 / 84.5 x 89 / 11.2
Max. power output in kW (hp) / at rpm	260 (354) / 5400 - 6400
Max. torque in Nm (lb-ft) / at rpm	500 (368.8) / 1370 - 4500
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-stage, close-coupled ceramic catalytic converter, two oxygen sensors
Emissions class	EU 6
Alternator in A / battery in A/Ah	110-150 / 420/79
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 center differential, Electronic Stabilization Control (ESC)
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 / 2.848
Suspension / steering / brakes	
Front suspension	Independent-wheel suspension, five-link axle with front track rod, aluminum transverse link, subframe and tubular anti-roll bar
Rear suspension	Independent-wheel suspension, five-link axle with rear track rod, resiliently mounted subframe and anti-roll bar
Steering / steering ratio / turning circle in m (D102) (ft)	Electromechanical steering with speed-dependent power assistance / 15.9 / 11.7 (38.4)
Brake system	Dual circuit brake system split between axles (black/white brake circuit split), Antilock Brake System (ABS) with Electronic Brake Force Distribution (EBD), Electronic Differential Lock (EDL), traction control (ASR), Electronic Stabilization Control (ESC), ventilated disks
Wheels / tires (basic)	8.5J x 18 cast aluminum flow forming wheels, 245/40 R18 tires
Performance / fuel / acoustics	
Top speed in km/h (mph)	250 (155.3)
Acceleration, 0-100 km/h (0-62.1 mph) in s	4.7
Fuel type / octane value	Premium sulfur-free according to DIN EN 228 / 95 RON
Idling / drive-past exterior noise level in dB (A)	87 / 74
Fuel consumption / emissions (according to tire size)	
Tire category 1	245/40 R18 97Y, HW0
Fuel consumption: city / highway / combined, in l/100 km (US mpg)	9.8 (24.0) / 5.9 (39.9) / 7.3 (32.2)
CO ₂ mass emission city / highway / combined, in g/km (g/mi)	223 (358.9) / 134 (215.7) / 166 (267.2)
Tire category 2	255/35 R19, H2R
Fuel consumption: city / highway / combined, in l/100 km (US mpg)	9.9 (23.8) / 6.1 (38.6) / 7.5 (31.4)
CO ₂ mass emission city / highway / combined, in g/km (g/mi)	225 (362.1) / 137 (220.5) / 170 (273.6)
Servicing / guarantee (Germany)	
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	16 / 27 / 30
Weights / loads	
Unladen weight according to EU (excluding driver) / (including driver) / gross weight limit in kg (lb)	1660 (3659.7) / 1735 (3825.0) / 2230 (4916.3)
Axle load limit at front / rear in kg (lb)	1160 (2557.4) / 1175 (2590.4)
Trailer load limit on 8% / 12% gradient, braked / unbraked in kg (lb)	2100 (4629.7) / 1900 (4188.8) / 750 (1653.5)
Roof load limit / permissible nose weight in kg (lb)	90 (198.4) / 80 (176.4)
Capacities	
Cooling system capacity (incl. heating) in l (US gal)	10 (2.6)
Engine oil capacity (including filter) in l (US qt)	7.5 (7.9)
Fuel tank capacity in l (US gal)	58 (15.3)
Body / dimensions	
Body type / number of doors / seats	Galvanized, unitary steel body, crumple zones at front and rear / 4 doors with additional side protection / 5
Drag coefficient Cd / frontal area A in m ² (sq ft)	0.29 / 2.16 (23.3) based on S model basic wheel (18")
Length (L103) / width excluding mirrors (W103) / height (H101-M) in mm (ft)	4752 (15.6) / 1843 (6.0) / 1384 (4.5) (body height)
Wheelbase (L101) / track at front/rear (W101-1/W101-2) in mm (ft)	2825 (9.3) / 1587 (5.2) / 1568 (5.1)
Height of loading lip (H196) in mm (ft)	666 (2.2)
Luggage capacity / with rear seat bench folded in l (cu ft)	480 (17.0)