

Technical Data – Audi S1 Sportback 2.0 TFSI quattro (170 kW)

Program for Germany

Status: August 2017

Engine / electronics	
Engine type	Inline four-cylinder spark-ignition engine with gasoline direct injection, exhaust turbocharger with intercooler, four valves per cylinder, double overhead camshaft (DOHC)
Valve gear / number of valves per cylinder	Chain drive, two-stage valvelift system (AVS), continuous intake and exhaust camshaft adjustment / 4
Displacement in cc / bore x stroke in mm / compression	1984 / 82.5 x 92.8 / 9.3
Max. power output in kW (hp) / at rpm	170 (231) / 6000
Max. torque in Nm (lb-ft) / at rpm	370 (272.9) / 1600 - 3000
Mixture preparation	Fully electronic engine management with drive-by-wire throttle control, combined direct and manifold injection, adaptive lambda control, mapped ignition with solid-state high-voltage distribution, cylinder-selective adaptive knock control
Exhaust emission control	Close-coupled ceramic catalytic converter, oxygen sensor before the turbine (cylinder-selective detection)
Emissions class	EU 6
Alternator in A / battery in A/Ah	140 / 380/68
Start-stop system	Switches the engine off if the vehicle is stationary and no gear is engaged.
Drivetrain / transmission	
Drive type	quattro permanent all-wheel drive with electronically controlled multi-plate clutch, Electronic Differential Lock EDL
Clutch	Hydraulically operated single-plate dry clutch
Transmission type	6-speed manual transmission, synchromesh on all gears
Gear ratio in 1st gear / 2nd gear	3.357 / 2.087
Gear ratio in 3rd gear / 4th gear	1.481 / 1.088
Gear ratio in 5th gear / 6th gear	1.097 / 0.912
Reverse gear / final drive ratio	3.990 / 3.944 (1st-4th gear); 3.087 (5th-6th and reverse gear)
Suspension / steering / brakes	
Front suspension	McPherson struts with lower wishbones, anti-roll bar, track-stabilizing steering roll radius, steel subframe
Rear suspension	Four-link rear suspension with separate spring/shock absorber arrangement, subframe, anti-roll bar
Steering / steering ratio / turning circle in m (D102) (ft)	Electromechanical steering with speed-dependent power assistance / 14.8 / 10.6 (34.8)
Brake system	Dual-circuit brake system with diagonal split, Electronic Stabilization Control ESC with Electronic Brake-Force Distribution EBD, Electronic Differential Lock EDL, hydraulic brake assist, hill hold assist; disk brakes ventilated at front, disc brakes solid at rear
Wheels / tires (basic)	7J x 17 aluminum wheels / 215/40 R17 tires
Performance / fuel / acoustics	
Top speed in km/h (mph)	250 (155.3)
Acceleration, 0-100 km/h (0-62.1 mph) in s	5,9
Fuel / octane value	Premium sulfur-free according to DIN EN 228 / 95 RON
Idling / drive-past exterior noise level in dB (A)	85 / 75
Fuel consumption / emissions (according to tire size)	
Tire category 1	17-inch wheels
Fuel consumption: city / highway / combined, in l/100 km (US mpg)	9.2 (25.6) / 5.9 (39.9) / 7.1 (33.1)
CO ₂ mass emission city / highway / combined, in g/km (g/mi)	214 (344.4) / 137 (220.5) / 166 (267.2)
Tire category 2	18-inch wheels
Fuel consumption: city / highway / combined, in l/100 km (US mpg)	9.3 (25.3) / 6.0 (39.2) / 7.2 (32.7)
CO ₂ mass emission city / highway / combined, in g/km (g/mi)	216 (347.6) / 140 (225.3) / 168 (270.4)
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 / 23 / 23
Weights / loads	
Unladen weight according to EU (excluding driver) / (including driver) / gross weight limit in kg (lb)	1340 (2954.2) / 1415 (3119.5) / 1790 (3946.3)
Axle load limit at front / rear in kg (lb)	960 (2116.4) / 870 (1918.0)
Trailer load limit on 8% / 12% gradient, braked / unbraked in kg (lb)	- / - / -
Roof load limit / permissible nose weight in kg (lb)	75 (165.3) / -
Capacities	
Cooling system capacity (incl. heating) in l (US gal)	8.6 (2.3)
Engine oil capacity (including filter) in l (US qt)	6 (6.3)
Fuel tank capacity in l (US gal)	45 (11.9)
Body / dimensions	
Body type / number of doors / seats	Unitary, steel / 5 doors with additional side protection / 4
Drag coefficient Cd / frontal area A in m ² (sq ft)	0.34 / 2.04 (22.0)
Length (L103) / width excluding mirrors (W103) / height (H101-M) in mm (ft)	3975 (13.0) / 1746 (5.7) / 1423 (4.7)
Wheelbase (L101) / track at front/rear (W101-1/W101-2) in mm (ft)	2469 (8.1) / 1474 (4.84) / 1452 (4.76)
Height of loading lip (H196) in mm (ft)	663 (2.2)
Luggage capacity / with rear seat bench folded in l (cu ft)	210 (7.4) / 860 (30.4)