

Technical Data – Audi A5 Sportback 1.8 TFSI (106 kW)

Program for Germany

Status: August 2014

Engine / electronics	
Engine type	Inline four-cylinder spark-ignition engine with exhaust turbocharger and intercooler, DOHC
Valve gear / number of valves per cylinder	Audi valvelift system and intake and exhaust camshaft adjustment, roller cam followers
Displacement in cc / bore x stroke in mm / compression	1798 / 82.5 x 84.1 / 9.6
Max. power output in kW (hp) / at rpm	106 (144) / 3700 - 6200
Max. torque in Nm (lb-ft) / at rpm	280 (206.5) / 1300 - 3600
Mixture preparation	High-pressure direct and multipoint manifold injection with adaptive idle-charge control, overrun fuel cut-off, adaptive lambda control; mapped ignition with solid-state high-voltage distribution via single-spark coils, cylinder-selective adaptive knock control; manifold pressure measurement, integrated boost-pressure control.
Exhaust emission control	Close-coupled ceramic catalytic converter, oxygen sensor in front of turbocharger and behind catalytic converter
Emissions class	EU 6
Alternator in A / battery in A/Ah	100-150 / 380/68
Start-stop system	Switches the engine off if the vehicle is stationary and no gear is engaged.
Drivetrain / transmission	
Drive type	Front-wheel drive with Electronic Stabilization Control ESC
Clutch	Hydraulically operated single-plate dry clutch; dual-mass flywheel
Transmission type	6-speed manual, synchromesh on all gears
Gear ratio in 1st gear / 2nd gear	3.778 / 2.050
Gear ratio in 3rd gear / 4th gear	1.321 / 0.970
Gear ratio in 5th gear / 6th gear	0.811 / 0.692
Gear ratio in 7th gear / 8th gear	- / -
Reverse gear / final drive ratio	3.333 / 3.304
Suspension / steering / brakes	
Front suspension	Five-link front suspension, upper and lower wishbones, tubular anti-roll bar
Rear suspension	Independent-wheel, trapezoidal-link rear suspension with resiliently mounted subframe, anti-roll bar
Steering / steering ratio / turning circle in m (D102) (ft)	Electromechanical steering with speed-dependent power assistance / 15.9 / 11.5 (37.7)
Brake system	Dual-circuit brake system with diagonal split, ABS/EBD and ESC with brake assist; tandem brake booster; front: ventilated disks / rear: disks
Wheels / tires	7.5 J x 17 lightweight forged aluminum wheels with 225/50 R17 tires
Performance / consumption / acoustics	
Top speed in km/h (mph)	220 (136.7)
Acceleration, 0-100 km/h (0-62.1 mph) in sec	9.3
Fuel / octane value	Premium unleaded / E25 95 RON
Fuel consumption: city / highway / combined, in l/100 km (US mpg)	7.5 (31.4) / 4.9 (48.0) / 5.8 (40.6)
CO ₂ emissions in g/km (g/mi)	175 (281.6) / 113 (181.9) / 136 (218.9)
Idling / drive-past exterior noise level in dB (A)	71 / 71
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	15 / 19 / 22
Weights / loads	
Unladen weight according to EU (excluding driver) / (including driver) / gross weight limit in kg (lb)	1490 (3284.9) / 1565 (3450.2) / 2040 (4497.4)
Axle load limit at front / rear in kg (lb)	1035 (2281.8) / 1095 (2414.1)
Trailer load limit on 8% / 12% gradient, braked / unbraked, in kg (lb)	1700 (3747.9) / 1500 (3306.9) / 750 (1635.5)
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)	No details
Engine oil capacity (including filter) in l (US qt)	4.7 (5.0)
Fuel tank capacity in l (US gal)	63 (16.6)
Body / dimensions	
Body type / number of doors / seats	Galvanized, unitary steel body, crumple zones at front and rear / 4 doors with additional side protection / 4
Drag coefficient Cd / frontal area A in m ² (sq ft)	0.29 / 2.18 (23.5)
Length (L103) / width excluding mirrors (W103) / height (H101-M) in mm (ft)	4712 (15.5) / 1854 (6.1) / 1391 (4.6)
Wheelbase (L101) / track at front/rear (W101-1/W101-2) in mm (ft)	2810 (9.2) / 1590 (5.22) / 1575 (5.17)
Height of loading lip (H196) in mm (feet)	679 (2.2)
Luggage compartment volume / with rear seat bench folded in l (cu ft)	480 (17.0) (V211-2) / 980 (34.6) (seat high, V211-1), 1280 (45.2) (roof high, V214-1)