

Technical Data – Audi A3 Sportback 1.8 TFSI S tronic (132 kW)

Program for Germany

Status: July 2012

Engine / electronics	
Engine type	Inline four-cylinder spark-ignition engine with gasoline direct injection, exhaust turbocharger with intercooler, four valves per cylinder, double overhead camshafts (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	1798 / 82.5 x 84.1 / 9.6
Max. power output in kW (hp) / at rpm	132 (180) / 5100 - 6200
Max. torque in Nm (<i>lb-ft</i>) / at rpm	250 (184.39) / 1250 - 5000
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 5
Alternator in A / battery in A/Ah	140 / 280/59
Start-stop system	Switches the engine off if the vehicle is stationary and the brake is engaged.
Drivetrain / transmission	
Drive type	Front-wheel drive with electronic stabilization control (ESC)
Clutch	Two electrohydraulically operated dry clutches
Transmission type	7-speed S tronic dual-clutch transmission
Gear ratio in 1st gear / 2nd gear	3.765 / 2.273
Gear ratio in 3rd gear / 4th gear	1.531 / 1.122
Gear ratio in 5th gear / 6th gear	1.176 / 0.951
Gear ratio in 7th gear / 8th gear	0.795 / -
Reverse gear / final drive ratio	4.168 / 1st – 4th gear 4.438 / 5th – 7th gear 3.227 / reverse gear 4.176
Suspension / steering / brakes	
Front suspension	McPherson struts with lower wishbones, aluminum subframe, tubular anti-roll bar
Rear suspension	Four-link rear suspension with separate spring/shock absorber arrangement, subframe, tubular anti-roll bar
Steering / steering ratio / turning circle in meters (D102) (<i>feet</i>)	Electromechanical steering with speed-dependent power assistance / 15.3 / 10.9 (35.76)
Brake system	Dual-circuit brake system with diagonal split, electronic stabilization control (ESC) with electronic limited slip differential, hydraulic brake assist, 16" disk brakes at front, 15" disk brakes at rear
Wheels / tires	6.5Jx16" steel wheels, 205/55 R16 tires
Performance / consumption / acoustics	
Top speed in km/h (<i>mph</i>)	232 (144.16)
Acceleration, 0-100 km/h (0-62.14 <i>mph</i>) in sec	7.3
Fuel / octane value	Premium unleaded / 95 RON
Fuel consumption: city / highway / combined in l/100 km (<i>US mpg</i>)	7.0 (33.60) / 4.8 (49.00) / 5.6 (42.00)
CO ₂ mass emission in g/km (<i>g/mile</i>)	162 (260.71) / 112 (180.25) / 130 (209.21)
Idling / drive-past exterior noise level in dB (A)	77 / 69
Servicing / guarantee (Germany)	
Service inspection	According to service indicator up to 30,000 km (18,641.14) (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 (<i>pounds</i>)	1280 (2821.92) / 1355 (2987.26) / 1840 (4056.51)
Axle load limit at front / rear in kg (<i>pounds</i>)	1020 (2248.72) / 945 (2083.37)
Trailer load limit on 8% / 12% gradient, braked / unbraked in kg (<i>pounds</i>)	1800 (3968.32) / 1600 (3527.40) / 670 (1477.10)
Roof load limit / permissible nose weight in kg (<i>pounds</i>)	75 (165.35) / 75 (165.35)
Capacities	
Cooling system capacity (incl. heating) in liters (<i>US gallons</i>)	approx. 9.0 (2.38) (excl. auxiliary heating)
Engine oil capacity (including filter) in liters (<i>US quarts</i>)	5.2 (5.49)
Fuel tank capacity in liters (<i>US gallons</i>)	50 (13.21)
Body / dimensions	
Body type / number of doors / seats	unitary / steel / 5 / 5
Drag coefficient Cd / frontal area A in m ² (<i>square feet</i>)	0.316 / 2.13 (22.93)
Length (L103) / width excluding mirrors (W103) / height (H101-M) in mm (<i>feet</i>)	4310 (14.14) / 1785 (5.86) / 1425 (4.68)
Wheelbase (L101) / track at front/rear (W101-1/W101-2) in mm (<i>feet</i>)	2636 (8.65) / 1535 (5.04) / 1506 (4.94)
Height of loading lip (H196) in mm (<i>feet</i>)	677 (2.22)
Luggage capacity in liters (<i>cubic feet</i>), according to VDA block method (V211) / rear seat bench folded	380 (13.42) (V211-2) / 1220 (43.08) (V214-1)