

# Technical Data – Audi S3 Sedan 2.0 TFSI quattro (228 kW)

Program for Germany

Status: August 2017

<b>Engine / electronics</b>	
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	228 (310) / 5800 - 6500
Max. torque in Nm (lb-ft) / at rpm	380 (280.3) / 1850 - 5700
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 / 320/59
Start-stop system	Switches the engine off if the vehicle is stationary and no gear is engaged.
<b>Drivetrain / transmission</b>	
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
Gear ratio in 7th gear / 8th gear	- / -
Reverse gear / final drive ratio	3.991 / 1st – 4th gear 3.944 / 5th – 6th and reverse gear 3.087
<b>Suspension / steering / brakes</b>	
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 m (D102) (ft)	Electromechanical steering with speed-dependent power assistance / 14.3 / 11.0 (36.1)
Brake system	Dual-circuit brake system with diagonal split, Electronic Stabilization Control ESC with torque vectoring, hydraulic brake assist, disk brakes ventilated at front and rear; electromechanical parking brake
Wheels / tires (basic)	8J x 18 cast aluminum flow forming wheels / 225/40 R18 tires
<b>Performance / fuel / acoustics</b>	
Top speed in km/h (mph)	250 (155.3) (governed)
Acceleration, 0-100 km/h (0-62.1 mph) in s	5.3
Fuel / octane value	Super Plus / 98 RON
Idling / drive-past exterior noise level in dB (A)	87 / 72
<b>Fuel consumption / emissions (according to tire size)</b>	
<b>Tire category 1</b>	
Fuel consumption: city / highway / combined, in l/100 km (US mpg)	225/40 R18 92Y, HM4 9.1 (25.8) / 5.8 (40.6) / 7.0 (33.6)
CO <sub>2</sub> mass emission city / highway / combined, in g/km (g/mi)	209 (336.4) / 135 (217.3) / 162 (260.7)
<b>Tire category 2</b>	
Fuel consumption: city / highway / combined, in l/100 km (US mpg)	225/40 R18 92Y, HJ4 H7D 9.2 (25.6) / 5.9 (39.9) / 7.1 (33.1)
CO <sub>2</sub> mass emission city / highway / combined, in g/km (g/mi)	210 (338.0) / 136 (218.9) / 163 (262.3)
<b>Tire category 3</b>	
Fuel consumption: city / highway / combined, in l/100 km (US mpg)	235/35 R19 91Y, H13 Q99 9.2 (25.6) / 5.9 (39.9) / 7.1 (33.1)
CO <sub>2</sub> mass emission city / highway / combined, in g/km (g/mi)	210 (338.0) / 136 (218.9) / 163 (262.3)
<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	16 / 24 / 24
<b>Weights / loads</b>	
Unladen weight according to EU (excluding driver) / (including driver) / gross weight limit in kg (lb)	1430 (3152.6) / 1505 (3318.0) / 1980 (4365.2)
Axle load limit at front / rear in kg (lb)	1050 (2314.9) / 1045 (2303.8)
Trailer load limit on 8% / 12% gradient, braked / unbraked in kg (lb)	/ /
Roof load limit / permissible nose weight in kg (lb)	75 (165.3) / -
<b>Capacities</b>	
Cooling system capacity (incl. heating) in l (US gal)	10 (2.6) (additional radiator)
Engine oil capacity (including filter) in l (US qt)	5.7 (6.0)
Fuel tank capacity in l (US gal)	55 (14.5)
<b>Body / dimensions</b>	
Body type / number of doors / seats	Unitary, steel / 4 / 5
Drag coefficient Cd / frontal area A in m <sup>2</sup> (sq ft)	0.31 / 2.12 (22.8)
Length (L103) / width excluding mirrors (W103) / height (H101-M) in mm (ft)	4466 (14.7) / 1796 (5.9) / 1392 (4.6)
Wheelbase (L101) / track at front/rear (W101-1/W101-2) in mm (ft)	2631 (8.6) / 1551 (5.1) / 1526 (5.0)
Height of loading lip (H196) in mm (ft)	664 (2.2)
Luggage capacity / with rear seat bench folded in l (cu ft)	390 (13.8) /