

Technical Data – Audi S4 Avant 3.0 TFSI quattro S tronic (245 kW)

Program for Germany

Status: March 2014

Engine / electronics	
Engine type	Aluminum V6 spark-ignition engine (90° V angle) with combined demand-controlled gasoline direct injection and manifold injection, double overhead camshafts (DOHC), mechanical charger module (can be deactivated) with two intercoolers, two charge movement flaps
Valve gear / number of valves per cylinder	Chain drive, continuous intake and exhaust camshaft adjustment, roller cam followers with hydraulic valve play compensation / 4
Displacement in cc / bore x stroke in mm / compression	2995 / 84.5 x 89 / 11.0
Max. power output in kW (hp) / at rpm	245 / 5500 - 6500
Max. torque in Nm (lb-ft) / at rpm	440 (324.53) / 2900 - 5300
Mixture preparation	Gasoline direct injection and manifold 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 close-coupled ceramic main catalytic converters each with a pre- and post-catalyst oxygen sensor, secondary air system controlled system
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 the brake is engaged.
Drivetrain / transmission	
Drive type	quattro permanent all-wheel drive with self-locking center differential and torque vectoring
Clutch	Two electrohydraulically controlled multi-plate clutches in an oil bath
Transmission type	7-speed S tronic direct-shift transmission with electrohydraulic control
Gear ratio in 1st gear / 2nd gear	3.692 / 2.150
Gear ratio in 3rd gear / 4th gear	1.406 / 1.025
Gear ratio in 5th gear / 6th gear	0.787 / 0.625
Gear ratio in 7th gear / 8th gear	0.519 / -
Reverse gear / final drive ratio	2.944 / 3.875
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 meters (D102) (feet)	Electromechanical steering with speed-dependent power assistance / 15.9 / 11.5 (37.73)
Brake system	Dual-circuit brake system with diagonal split, ABS/EBD and ESC with brake assist; tandem brake booster, front: ventilated disks / rear: ventilated disks
Wheels / tires	8J x 18 cast aluminum wheels with 245/40 R18 tires
Performance / consumption / acoustics	
Top speed in km/h (mph)	250 (155.34)
Acceleration, 0-100 km/h (0-62.14 mph) in sec	5.1
Fuel / octane value	Premium sulfur-free according to DIN EN 228 / 95 RON
Fuel consumption: city / highway / combined in l/100 km (US mpg)	10.1 (23.29) / 6.4 (36.75) / 7.8 (30.16)
CO ₂ mass emission in g/km (g/mile)	234 (376.59) / 149 (239.79) / 180 (289.68)
Idling / drive-past exterior noise level in dB (A)	74 / 78
Servicing / guarantee (Germany)	
Service inspection after max. km (miles)	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-	17 / 26 / 28
Weights / loads	
Unladen weight according to EU (excluding driver) / (including driver) / gross weight limit in kg (pounds)	1750 (3858.09) / 1825 (4023.44) / 2320 (5114.72)
Axle load limit at front / rear in kg (pounds)	1175 (2590.43) / 1225 (2700.66)
Trailer load limit on 8% / 12% gradient, braked / unbraked in kg (pounds)	2100 (4629.71) / 1900 (4188.78) / 750 (1653.47)
Roof load limit / permissible nose weight in kg (pounds)	90 (198.42) / 80 (176.37)
Capacities	
Engine oil capacity (including filter) in liters (US quarts)	6.95 (3.49)
Fuel tank capacity in liters (US gallons)	61 (16.11)
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 (square feet)	0.33 / 2.20 (23.68)
Length (L103) / width excluding mirrors (W103) / height (H101-M) in mm (feet)	4719 (15.48) / 1826 (5.99) / 1415 (4.64)
Wheelbase (L101) / track at front/rear (W101-1/W101-2) in mm (feet)	2811 (9.22) / 1552 (5.09) / 1539 (5.05)
Height of loading lip (H196) in mm (feet)	610 (2.00)
Luggage capacity in liters (cubic feet), according to VDA block method (V211) / rear seat bench folded	490 (17.30) / 1430 (50.50)