

Technical Data – Audi S5 Cabriolet 3.0 TFSI quattro

Status: December 2009

Model	Audi S5 Cabriolet 3.0 TFSI quattro (245kW)
Engine / electronics	
Engine type	Aluminium V6 spark-ignition engine with petrol direct injection, DOHC, mechanical charger module with two intercoolers, two charge movement flaps, demand-controlled high-pressure and low-pressure fuel system
Valve gear / number of valves per cylinder	Continuous intake camshaft adjustment / 4
Displacement in cc / bore x stroke in mm / compression	2995 / 84.5 x 89 / 10.3
Max. power output in kW / at rpm	245 / 5500 - 7000
Max. torque in Nm / at rpm	440 / 2900 - 5300
Engine management / mixture preparation	Fully electronic engine management with drive-by-wire throttle control; SIMOS 8, gasoline direct 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
Emissions class	EU 5
Alternator in A / battery in A/Ah	140/ 380 / 80
Drivetrain / transmission	
Drive type	quattro permanent all-wheel drive with self-locking center differential, ESP
Clutch	Two electrohydraulically controlled multi-plate clutches in an oil bath
Gearbox type	7-speed S tronic direct-shift transmission with electrohydraulic control
Gear ratio in 1st gear / 2nd gear	3.692 / 2.238
Gear ratio in 3rd gear / 4th gear	1.559 / 1.175
Gear ratio in 5th gear / 6th gear	0.915 / 0.745
Gear ratio in 7th gear	0.617 / -
Reverse gear / final drive ratio (automatic: constant 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 metres (D102)	Maintenance-free rack-and-pinion steering with power assistance / 16.3 / 11.4
Brake system	Dual-circuit brake system with diagonal split, ABS/EBD and ESP with brake assist; tandem brake booster; front: ventilated disks / rear: disks
Wheels / tyres	8.5J x 18 cast aluminium wheels with 245/40 R 18 tyres
Performance / consumption / acoustics	
Top speed in km/h	250
Acceleration, 0-100 km/h in sec	5.6
Fuel type	Premium unleaded, 95 RON
Fuel consumption: combined (l/100 km)	9.7
CO ₂ emissions: combined, g/km	227
Idling / drive-past exterior noise level in dB (A)	78 / 74
Servicing / guarantee	
Service	15,000 kms or 12 months (whichever comes first)
Vehicle / paint / rust perforation guarantee	3 years with unlimited mileage / 3 years / 12 years
Weights / loads	
Unladen weight in kg / gross weight limit in kg (<i>pounds</i>)	1875 / 2375 (4133.67 / 5235.98)
Axle load limit at front / rear in kg (<i>pounds</i>)	1210 / 1240 (2667.59 / 2733.73)
Trailer load limit, unbraked in kg (<i>pounds</i>)	750 (1653.47)
Trailer load limit on 8% / 12% gradient, braked in kg (<i>pounds</i>)	2100 / 1900 (4629.71 / 4188.78)
Roof load limit in kg / permissible nose weight in kg (<i>pounds</i>)	-- / 80 (-- / 176.37)
Capacities	
Cooling system capacity (incl. heating) in liters (<i>US gallons</i>)	11.1 (2.93)
Engine oil capacity (including filter) in liters (<i>US quarts</i>)	8.1 (8.56)
Fuel tank capacity in liters (<i>US gallons</i>)	64 (16.91)
Body / dimensions ¹⁾	
Body type	Galvanized, unitary steel body, crumple zones at front and rear
Number of doors / seats	2 doors with additional side protection / four seats
Drag coefficient Cd / frontal area A in m ² (<i>square feet</i>)	0.32 / 2.18 (23.47)
Length (L103)/width excluding mirrors (W103)/height (H101-M)	4635 / 1854 / 1380 in mm (15.21 / 6.08 / 4.53 in feet)
Wheelbase (L101) / track at front/rear (W101-1/W101-2)	2751 / 1588 / 1575 in mm (9.03 / 5.21 / 5.17 in feet)
Height of loading lip in mm (H196) (<i>feet</i>)	662 (2.17)
Luggage capacity in liters (<i>cubic feet</i>), according to VDA block method V210-2 (V211-1)	320 (11.3) (with roof closed: 380 (13.42)) (with rear seat folded down: 750 (26.49))

1) details of dimensions with unladen vehicle weight