

**2006 Audi S4 Cabriolet
Technical Specifications**



Technical Specifications		2006 Audi S4 Cabriolet	
ENGINE:			
Type	V8-arrangement 8-cylinder with Double Overhead Camshafts and two-stage variable intake manifold		
Arrangement	Front mounted		
Bore	3.33 in.	84.5 mm	
Stroke	3.65 in.	92.8 mm	
Displacement	254 cu. in.	4163 cc	
Compression ratio	11.0:1		
Fuel requirement	Premium unleaded 91 AKI / 95 RON recommended for maximum performance		
Horsepower (SAE)	340 hp	@ 7000 (man) rpm	@ 6800 (Tip) rpm
Max. Torque	302 lbs. ft.	@ 3500 rpm	
ENGINE DESIGN:			
Cylinder block			
Crankshaft			
Cylinder head	Aluminum alloy		
Valve train / intake	Intake camshaft adjustment, DOHC belt driven, hydraulic lifters		
Firing order			
Cooling system	Water-cooled, thermostatically controlled radiator fan		
Lubrication system	Gear pump, pressurized, full flow with oil cooler		
Fuel injection / Ignition system	Motronic 7.1.1: fully electronic sequential injection, hot-film air mass measurement, drive-by-wire throttle control, mapped ignition with solid-state high-voltage distribution, cylinder-selective adaptive knock control using four sensors		
Emission system	Two close-coupled primary and two underfloor main catalytic converters; adaptive lambda control with two heated oxygen sensors before and two after the converter.		
ELECTRICAL SYSTEM:			
Battery	12 volts	95 amp/hr	
Alternator	14 volts	190 amp	
DRIVETRAIN:			
Transmissions	<ul style="list-style-type: none"> 6-speed manual transmission 6-speed automatic with Tiptronic® 		
Type	quattro Manual 6-speed		Automatic 6-speed w/ Tiptronic®
Gear ratios: 1st	3.667:1		4.171:1
2nd	2.050:1		2.340:1
3rd	1.462:1		1.521:1
4th	1.133:1		1.143:1
5th	0.919:1		0.867:1
6th	0.778:1		0.691:1
Final Drive	3.889:1		3.539:1
Torque Split	40/60		50/50
Front Differential	Hypoid gear, electronically locking (EDL)		
Center Differential	TORSSEN® (TORque SENSing) differential providing automatic and variable front to rear power proportioning		
Rear Differential	Hypoid gear, electronically locking (EDL)		
STEERING:			
Type	Maintenance-free rack-and-pinion steering with power assist		
Ratio	14.5:1		
Turns (lock-to-lock)	n/a		
Turning circle (curb-to-curb)	37.7 ft.	11.5 m	
SUSPENSION:			
Front	Four link, upper and lower control arms, stabilizer bar, coil spring/shock absorbers (gas charged)		
Rear	Fully independent, trapezoidal link rear suspension, stabilizer bar, separate coil springs and shock absorbers (gas charged)		
BRAKES:			
Service brake	Dual circuit brake system with diagonal split, Anti-lock Brake System (ABS), Electronic Brake pressure Distribution (EBD) and Electronic Stabilization Program (ESP); tandem brake booster		
Front, size and type	13.6 in.	345x30 mm	- Ventilated disc / FNRG - 60
Rear, size and type	11.9 in.	302x22 mm	- Ventilated disc / C43 HR
Parking brake	Mechanically actuated at the rear wheels		

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Technical Specifications (continued)		2006 Audi S4 Cabriolet	
CABRIOLET TOP:	Minimum necessary clearance for opening the convertible top is 85 inches / 7 ft. 1 inch.		
WHEELS:	Standard (CS1)		
Size	8J x 18		
Offset	43 mm		
Weight	5.8 lbs		
Type	Cast alloy		
TIRES:			
Size	235/40		
Speed rating	Z		
Construction	Radial		
Load Index	91		
Brand / Type (<i>all approved</i>)	Conti Sport Contact 2		
BODY:			
Material	Unitized steel structure with integrated aluminum and magnesium components		
Corrosion protection	All steel parts are 100% dual-side zinc-galvanized. (12-year limited warranty against corrosion perforation)		
CAPACITIES:			
	quattro		
Engine oil	11.3 qt.	10.7 liter	
Fuel tank	16.6 gal.	63 liter	
Cooling system	12.9 qt.	12.2 liter	
EXTERIOR DIMENSIONS:			
	quattro		
Wheelbase	104.5 in.	2654 mm	
Track: front / rear	59.8 in.	1518 mm	/ 59.9 in. 1520 mm
Overall length	180.0 in.	4573 mm	
Overall width / with mirrors	70.0 in.	1778 mm	/ 75.2 in. 1911 mm
Height (unloaded)	54.8 in.	1391 mm	
Ground clearance (loaded)	5.0 in.	128 mm	
Curb weight: man. / auto.	4211 lbs.	1910 kg /	4266 lbs. 1935 kg
Distribution: % front / rear	57/43 (6-Speed)		59/41 (Tiptronic)
Drag coefficient: Front / quattro	Cw = 0.30 Frontal Area = 2.11 sq.m.		
INTERIOR DIMENSIONS (SAE measurements):			
Seating Capacity	4		
EPA class	Compact		
Head room front / rear	37.95 in.	964 mm /	36.3 in. 922 mm
w/sunroof front / rear	n/a in.	n/a mm /	n/a in. n/a mm
Shoulder rm. front / rear	53.0 in.	1347.0 mm /	45.1 in. 1145.0 mm
Leg room front / rear	41.3 in.	1050.0 mm /	32.4 in. 823.0 mm
Interior vol. front / rear	42.2 cu. ft.	/	30.7 cu. ft. 89.0 = total of cu. ft (including trunk volume)
Luggage Capacity	10.2 cu. ft.		
PERFORMANCE:			
	quattro		
	Manual 6-speed	6-speed Tiptronic automatic	
0-50 mph (0-80km/h)	4.5 sec.	4.7 sec.	
0-60 mph (0-100 km/h)	5.8 sec.	6.1 sec.	
1/4 mile	14 sec.	14.2 sec.	
Top speed	Top speed is electronically limited at 155 MPH (250 km/h)		
FUEL ECONOMY:	EPA estimate		
	quattro		
	Manual 6-speed	6-speed Tiptronic automatic	
City	15 mpg	15 mpg	
Highway	21 mpg	22 mpg	
Combined	17 mpg	18 mpg	
FUEL ECONOMY:	Canadian Estimate		
	Manual 6-speed	6-speed Tiptronic automatic	
City	15.8 liters/100km	15.5 liters/100km	
Highway	10.2 liters/100km	9.7 liters/100km	