

Technical Specifications		2007 Audi A4 3.2 FSI Cabriolet	
ENGINE:			
Type	Aluminum V6 spark-ignition engine with gasoline direct injection, DOHC, two-stage variable intake manifold with two charge movement flaps, demand-controlled, high pressure and low pressure fuel system.		
Arrangement	Front mounted, longitudinal		
Bore	3.33 in.	84.5 mm	
Stroke	3.65 in.	92.8 mm	
Displacement	190.565 cu. in.	3123 cc	
Compression ratio	12.5 : 1		
Fuel requirement	Premium unleaded 91 AKI / 95 RON recommended for maximum performance		
Horsepower (SAE)	255 hp	@ 6500 rpm	
Torque	243 lbs. ft.	@ 3250 rpm	
ENGINE DESIGN:			
Cylinder block	High integrity aluminum cylinder block with cast-in thin wall gray iron liners		
Crankshaft	Forged steel		
Cylinder head	Aluminum alloy		
Valve train / intake	DOHC chain driven, hydraulic valve lifters, two-stage variable intake manifold		
Cooling system	Water-cooled, thermostatically controlled radiator fan		
Lubrication system	Gear pump, pressurized, full flow with oil cooler		
Fuel injection /FSI Direct Injection	<p>-A common rail high-pressure injection system with a newly developed single-piston high-pressure pump operating on demand ensures exactly the right amount of fuel, delivering precisely the volume required for building up operating pressure between 30 and 110 bar.</p> <p>-The intake tract, also comprising the two-stage variable intake manifold, moving charge-movement flaps provide the necessary tumble effect, swirling the induced air around depending on operating point. In order to achieve the high specific power and torque values, a new combustion process has been developed. This has the potential for worldwide application and for operation on the fuel grade RON 95/91. Together with the optimum geometry of the combustion chambers and the dosage of fuel injected with supreme accuracy down to the last millisecond, this allows a significant increase in compression:</p> <p>-While conventional production engines generally have a compression ratio of now more than 10.5 : 1, the compression ratio on Audi's 3.2 FSI power unit is 12.5 : 1 - a record on production cars and the essential prerequisite for the new engine's high standard of efficiency.</p>		
Emission system	Dual 3-way catalytic converters w/individual oxygen sensors		
ELECTRICAL SYSTEM:			
Battery	12 volts	80 amp/hr	
Alternator	14 volts	120 amp	
DRIVETRAIN:			
Transmissions	• Audi Tiptronic® 6-speed automatic transmission		
Type	quattro® Automatic 6-speed Tiptronic®		
Gear ratios:	1st	4.171:1	
	2nd	2.340:1	
	3rd	1.521:1	
	4th	1.143:1	
	5th	0.867:1	
	6th	0.691:1	
	Final Drive	3.539:1	
Front Differential	Hypoid gear, electronically locking (EDL)		
Center Differential	TORSEN® (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 Servotronic electronic power assist		
Ratio	16.3:1		
Turns (lock-to-lock)	n.a.		
Turning circle (curb-to-curb)	36.4 ft.	11.1 m	
SUSPENSION:			
Front	Four link front suspension, upper and lower wishbones, tubular anti-roll bar		
Rear (FrontTrak)	Independent-wheel, trapezoidal-link rear suspension with resiliently mounted subframe, anti-roll bar		
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) upgraded version 8.0 with brake disc wiping feature; tandem brake booster		
Front, size and type	12.6 in.	320X30 mm	- Ventilated disc / Conti-Tevés FNRG-60
Rear, size and type	11.3 in.	288X12 mm	- Solid disc / TRW C11-41
Parking brake	Mechanically actuated at the rear wheels		

Technical Specifications (continued)		2007 Audi A4 3.2 FSI Cabriolet			
CABRIOLET TOP:		Minimum necessary clearance for opening the convertible top is 85 inches / 7 ft. 1 inch.			
WHEELS:		Standard 17" (C8F)		Optional 18" S line (CH9)	
Size		7.5J x 17		8J x 18	
Offset		45 mm		43 mm	
Weight		n/a		n/a	
Type		Cast alloy 5-double-spoke		Cast alloy 5-arm quattro GmbH	
TIRES:					
Size		235/45 R17		235 / 40	
Speed rating		H (all season)		Y (high performance)	
Construction		Radial		Radial	
Load Index		94			
Brand / Type (all approved)		Michelin Pilot Primacy (performance)			
		Conti Sport Contact 2 (performance)			
		Pirelli P6 FourSeasons (all season)			
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	6.3 qt.	5.5 liter			
Fuel tank	16.6 gal.	66 liter			
Cooling system	9.5 qt.	9 liter			
EXTERIOR DIMENSIONS:		quattro			
Wheelbase	104.3 in.	2648 mm			
Track: front / rear	60 in.	1522 mm / 60 in.		1522 mm	
Overall length	181 in.	4586 mm			
Overall width / with mirrors	70 in.	1772 mm / 76 in.		1937 mm	
Height (unloaded)	56.2 in.	1427 mm			
Ground clearance (loaded)	4 in.	106 mm			
Curb weight:	1695 kg	3737 lb.			
Distribution: % front / rear	53 / 47				
Drag coefficient	Cw = 0.31	Frontal Area = 2.11 sq.m.			
INTERIOR DIMENSIONS (SAE measurements):					
Seating Capacity	4				
EPA class					
Head room front / rear	37.95 in.	964 mm	/	36.3 in.	922 mm
Shoulder room front / rear	53.0 in.	1347 mm	/	45.08 in.	1145 mm
Leg room front / rear	41.3 in.	1050 mm	/	32.4 in.	823 mm
Interior volume 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:					
		Tiptronic quattro			
0-50 mph (0-80kmh)			6.3 sec.		
0-60 mph (0-100 km/h)			7.4 sec.		
1/4 mile			16.6 sec.		
Top speed	Top speed is electronically limited at 130 MPH (208 km/h)				
FUEL ECONOMY:		EPA estimate			
		Tiptronic quattro			
City			17 mpg		
Highway			25 mpg		
Combined			20 mpg		
FUEL ECONOMY:		Canadian Estimate			
		Tiptronic quattro			
City			12.5 liters/100km		
Highway			8.1 liters/100km		