

Technical Specifications	2007 Audi S6 5.2 FSI quattro Sedan
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ENGINE:			
Type	V10 spark-ignition direct injection		
Arrangement	Front mounted, longitudinal		
Bore	3.33 in.	84.5 mm	
Stroke	3.65 in.	92.8 mm	
Displacement	318 cu. in.	5204 cc	
Compression ratio	12.5:1		
Fuel requirement	Premium unleaded (91 octane minimum) recommended for maximum performance		
Horsepower (SAE)	435 hp	6800	rpm
Max. Torque	398 lbs. ft.	3000-4000	rpm

ENGINE DESIGN:			
Cylinder block	Aluminium alloy		
Crankshaft	forged steel		
Cylinder head	Aluminium alloy		
Valve train / intake	DOHC, chain driven, continuous camshaft adjustment for intake and exhaust valves		
Firing order	1 - 6 - 5 - 10 - 2 - 7 - 3 - 8 - 4 - 9		
Cooling system	Water-cooled, thermostatically controlled radiator fan		
Lubrication system	Gear pump, pressurized, full flow with oil cooler		
Fuel injection / Ignition system	fully electronic sequential injection, coordinated torque control, hot-film air mass measurement, drive-by-wire throttle control, mapped ignition with solid-state high-voltage distribution, adaptive lambda control		
Emission system	four ceramic main catalytic converters, secondary air system		

ELECTRICAL SYSTEM:			
Battery	12 volts	110 amp/hr	
Alternator	14 volts	190 amp	

DRIVETRAIN:			
Transmission	six-speed automatic with Tiptronic® and automatic shift lock		
Type	quattro		
			Automatic
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
	Reverse		3.403:1
	Final Drive		3.801:1
Front Differential	Hypoid gear, electronically locking (EDL)		
Center Differential	differential providing automatic and variable front to rear power proportioning		
Rear Differential	Hypoid gear, electronically locking (EDL)		

STEERING:			
Type	vehicle speed-sensitive power rack and pinion		
Ratio	14.6:1		
Turns (lock-to-lock)	2.49		
Turning circle (curb-to-curb)	39.0 ft.	11.9 m	

SUSPENSION:			
Front	Four link, anti roll bar, twin-tube-gas-filled shock absorbers		
Rear (FrontTrak)			
Rear (quattro)	Trapezoidal-link, twin-tube-gas-filled shock absorbers		

BRAKES:			
Service brake	Electronic stability program (ESP 8) with anti-lock brake, electronic rear brake pressure proportioning, vacuum power assist, asbestos free linings, dual diagonal circuits		
Front, size and type	15.2 in.	385 mm	- Ventilated disc
Rear, size and type	13.0 in.	330 mm	- Ventilated disc
Parking brake	electromechanical parking brake rear		

Technical Specifications (continued)
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WHEELS:					
Size	9J x 19, cast alloy, 5-arm-wing design (8.5J x 18 cast alloy S design optional)				
TIRES:					
Size	265 / 35 R 19				
	(255 / 40 R 18 optional)				
BODY:					
Material	galvanized steel				
Corrosion protection	Multi-step anti-corrosion protection				
CAPACITIES:					
		quattro			
Engine oil		10.6 qt.	10.0 liter		
Fuel tank		21.1 gal.	80 liter		
Cooling system		15.9 qt.	15.0 liter		
EXTERIOR DIMENSIONS:					
		quattro			
Wheelbase		112.1 in.	2847 mm		
Track: front / rear		62.8 in.	1596 mm	/	62.0 in. 1576 mm
Overall length		193.5 in.	4916 mm		
Overall width		79.2 in.	2012 mm		
Height (unloaded)		57.0 in.	1449 mm		
Ground clearance (loaded)					
	man. / auto.	n.a. in.	n.a. mm	/	4.3 in. 108 mm
Curb weight	man. / auto.	n.a. lbs.	n.a. kg	4486 lbs.	2035 kg
Distribution % front / rear			n.a. / n.a.	59.0 / 41.0	
Drag coefficient	Cw = 0.31 Frontal Area = 2.26 sq. m.				
INTERIOR DIMENSIONS:					
Seating Capacity	5				
EPA class	Mid-Size-Class				
Head room front / rear	38.7 in.	982 mm	/	37.8 in.	959 mm
w/sunroof front / rear	37.5 in.	952 mm	/	37.8 in.	960 mm
Shoulder room front / rear	57.1 in.	1450 mm	/	55.9 in.	1421 mm
Leg room front / rear	41.3 in.	1050 mm	/	36.9 in.	938 mm
Int. vol. (EPA) front / rear	52.8 cu. ft.		/	45.14 cu. ft.	= total of 97.94 cu. ft
Luggage capacity (EPA)	15.9 cu. ft.				
PERFORMANCE:					
		quattro			
		Automatic			
0-50 mph (0-80kmh)		3.8 sec.			
0-60 mph (0-100 km/h)		5.1 sec.			
1/4 mile		13.4 sec.			
Top speed	Top speed is electronically limited to 155 mph (250 km/h)				
FUEL ECONOMY:					
EPA estimate					
		quattro			
		Automatic			
City		15 mpg			
Highway		21 mpg			
Combined		18 mpg			
FUEL ECONOMY:					
Canadian Estimate					
		Automatic			
City		n/a liters/100km			
Highway		n/a liters/100km			
Combined		n/a liters/100km			