

Technical Specifications		2006 Audi A6 3.2 FSI quattro Avant	
ENGINE:			
Type	V6, spark-ignition direct injection		
Arrangement	Front mounted, longitudinal		
Bore	3.33 in.	84.5 mm	
Stroke	3.65 in.	92.8 mm	
Displacement	191 cu. in.	3123 cc	
Compression ratio	12.5:1		
Fuel requirement	Regular unleaded (87 AKI), Premium unleaded (91 AKI) recommended for maximum performance		
Horsepower (SAE)	255 hp	@	6500 rpm
Max. Torque	243 lbs. ft.	@	3250 rpm
ENGINE DESIGN:			
Cylinder block	Aluminium alloy		
Crankshaft	Forged Steel		
Cylinder head	Aluminium alloy		
Valve train / intake	DOHC, chain driven, continuous camshaft adjustment for the intake and exhaust valves		
Firing order	1 - 4 - 3 - 6 - 2 - 5		
Cooling system	Water-cooled, thermostatically controlled radiator fan		
Lubrication system	Gear pump, pressurized, full flow with oil cooler		
Fuel injection / Ignition system	fully electronic management with drive-by-wire throttle control, petrol direct injection, cylinder-selective lamda control mapped ignition with solid-state high-voltage distribution, manifold-pressure controlled system		
Emission system	two close-coupled ceramic main catalytic converters		
ELECTRICAL SYSTEM:			
Battery	12 volts	92 amp/hr	
Alternator	14 volts	180 amp	
DRIVETRAIN:			
Transmission	Six-speed automatic with Tiptronic®, automatic shift lock, and Dynamic Shift Program		
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	3.539 : 1	
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	vehicle speed-sensitive power rack and pinion		
Ratio	16.1:1		
Turns (lock-to-lock)	2.74		
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		

WHEELS:

Size	7.5J x 17 cast alloy 16-spoke
	8J x 18 cast alloy 7-arm high polished optional

TIRES:

Size	245 / 45 R 17 all-season
	245 / 40 R 18 all-season optional

BODY:

Material	galvanized steel
Corrosion protection	Multi-step anti-corrosion protection

CAPACITIES:

		quattro	
Engine oil		8.6 qt.	8.1 liter
Fuel tank		21.1 gal.	80 liter
Cooling system		10.1 qt.	9.6 liter

EXTERIOR DIMENSIONS:

		quattro			
Wheelbase		111.9 in.	2843 mm		
Track:	front / rear	62.7 in.	1592 mm	62.9 in.	1598 mm
Overall length		194.2 in.	4933 mm		
Overall width		79.2 in.	2012 mm		
Height (unloaded)		58.2 in.	1478 mm		
Ground clearance (loaded)		Note- Ground clearance if vehicle is equipped with adaptive air suspension:			
	automatic	4.6 in.	118 mm	136 mm	Lift mode
Curb weight	automatic	4167 lbs.	1890 kg	121 mm	comfort mode
Distribution	% front / rear	54.2 / 45.8		106 mm	dynamic mode
Drag coefficient		Cw = 0.31	Frontal Area = 2.26 sq. m.		

INTERIOR DIMENSIONS:

Seating Capacity	5				
EPA class	Mid Size wagon				
Head room	front / rear	in.	mm	/	in.
w/sunroof	front / rear	37.6 in.	954 mm	/	38 in. 965 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	51.29 cu. ft.		/	45.42 cu. ft. = total of 130.65 cu. ft
Luggage capacity (EPA)		20.0 cu. ft.	58.6 cu. ft. (seats folded)		

PERFORMANCE:

		quattro	
		Automatic	
0-50 mph (0-80kmh)		5.3 sec.	
0-60 mph (0-100 km/h)		7.3 sec.	
1/4 mile		15.6 sec.	
Top speed		Top speed is electronically limited to 130 mph (209 km/h)	

FUEL ECONOMY: EPA estimate

		quattro	
US:		Automatic	
City		17 mpg	
Highway		26 mpg	
Combined		20 mpg	

FUEL ECONOMY: