

Technical Specifications		2006 Audi A6 3.2 FSI Sedan	
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	Aluminum alloy		
Crankshaft	Forged steel		
Cylinder head	Aluminum 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 lambda 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	95 amp/hr	
Alternator	14 volts	180 amp	
DRIVETRAIN:			
Transmission(Tipquattro)	Multitronic; Continuously Variable Transmission		Six-speed automatic with Tiptronic®, Dynamic Shift Program(DSP), automatic shift lock and new "Sport-mode" setting
Transmission (FrontTrak)			
Type	FrontTrak®		quattro®
	Automatic		Automatic
Gear ratios: 1st	2.510:1		4.171 : 1
2nd	1.476:1		2.340 : 1
3rd	1.095:1		1.521 : 1
4th	0.820:1		1.143 : 1
5th	0.636:1		0.867 : 1
6th	0.500:1		0.691 : 1
7th	0.382:1		
Reverse	2.510:1		3.403 : 1
Final Drive	4.877:1		3.539 : 1
Front Differential	Hypoid gear, electronically locking (EDL)		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	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 (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	12.64 in.	321 mm	- Ventilated disc 30 mm thick
Rear, size and type	11.89 in.	302 mm	- Solid disc 12 mm thick
Parking brake	Electro-mechanical parking brake rear, operated by switch on console pull on / push off		

Technical Specifications (continued)				2006 Audi A6 3.2 FSI Sedan				
WHEELS:								
Size	7.5J x 16, cast alloy, 7-spoke design			(Standard 3.2 CVT FrontTrak model only)				
	7.5J x 17, cast alloy, 16-spoke design			(Standard on 3.2 quattro / optional on 3.2 CVT FrontTrak)				
	8J x 18, cast alloy, seven arm highly polished design			(optional)				
	8J x 18, cast alloy, 5 arm quattro GmbH alloy wheel			(optional)				
TIRES:								
Size	225 / 55 R16 all-season			(standard 3.2 CVT FrontTrak)				
	245 / 45 R17 all season			(Standard on 3.2 quattro / optional on 3.2 CVT FrontTrak)				
	245 / 40 R18 all season or high performance			(optional) (note: high performance tires only available with S line)				
BODY:								
Material	Unitary steel body, fully galvanized, aluminum hood and fenders							
Corrosion protection	Multi-step anti-corrosion protection							
CAPACITIES:								
Engine oil	FrontTrak®			quattro®		Oil capacity is listed at initial engine factory fill. Actual fluid capacity (from aesis) for oil change with filter is 6.5L (6.9 qt)		
	8.6 qt.	8.1 liter		8.6 qt.	8.1 liter			
	Fuel tank	21.1 gal.	80 liter	21.1 gal.	80 liter			
Cooling system (incl. Heating)	10.1 qt.	9.6 liter		10.1 qt.	9.6 liter			
EXTERIOR DIMENSIONS:								
Wheelbase	FrontTrak®			quattro®				
	111.9 in.	2843 mm		111.9 in.	2843 mm			
Track: front / rear	63.5 in.	1612 mm	/ 63.7 in.	1618 mm	63.5 in.	1612 mm	/ 64 in.	1618
Overall length	193.5 in	4916 mm		193.5 in	4916 mm			
Overall width	79.2 in	2012 mm	(with outside mirrors folded=71.3")	79.2 in	2012 mm	(with outside mirrors folded=71.3")		
Height (unloaded)	57.5 in.	1459 mm		57.5 in.	1459 mm			
Ground clearance (loaded)	4.6 in.	118 mm		4.6 in.	118 mm			
Curb weight automatic	3836 lbs.			1740 kg		4012 lbs.		1820 kg
Distribution % front / rear	57.2 / 42.8			56.5/43.5				
Drag coefficient	Cw = 0.29 Frontal Area = 2.26 sq. m.							
INTERIOR DIMENSIONS:								
Seating Capacity	5							
EPA class	Mid-size							
Head room front / rear	38.66 in.	982 mm	/ 37.76 in.	959 mm				
w/sunroof front / rear	37.48 in.	952 mm	/ 37.8 in.	960 mm				
Shoulder room front / rear	57.09 in.	1450 mm	/ 55.94 in.	1421 mm				
Leg room front / rear	41.3 in.	1050 mm	/ 36.9 in.	938 mm	front / rear			
Int. vol. (EPA) front / rear	52.8 cu. ft.		/ 45.14 cu. ft.		with sunroof =		51.19 cu. ft.	45.19 cu.ft.
Luggage capacity (EPA)	15.9 cu. ft. (quattro)							
PERFORMANCE:								
0-50 mph (0-80kmh) 0-60 mph (0-100 kmh) 1/4 mile Top speed	FrontTrak®			quattro®				
	Automatic			Automatic				
	5.3 sec.			4.9 sec.				
	6.9 sec.			7.1 sec.				
	15.2 sec.			15.4 sec.				
Top speed is electronically limited to 130 mph (209 km/h)								
FUEL ECONOMY:								
EPA Estimate								
City Highway Combined	FrontTrak®			quattro®				
	Automatic			Automatic				
	n/a mpg FrontTrak F/E			19 mpg				
	n/a mpg numbers will be available 12 weeks			26 mpg				
n/a mpg			21 mpg					
FUEL ECONOMY:								
Canadian Estimate prior to SOP								
City Highway Combined	Automatic SOP is CW 36/05.			Canadian Estimate				
	Automatic			Automatic				
	n/a l/100km			12.6 l/100km				
	n/a l/100km			8.2 l/100km				
n/a l/100km			n/a l/100km					