



Audi of America

A6 3.2 Sedan and Avant Technical Specifications

2008 Model Year

Technical Specifications		2008 Audi A6 3.2 FSI	
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		
Cylinder head	Aluminium alloy		
Valve train / intake	DOHC, chain driven, continuous camshaft adjustment for the intake and exhaust valves, 4 valves per cylinder		
Firing order	1 - 4 - 3 - 6 - 2 - 5		
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	110 amp/hr	
Alternator	14 volts	180 amp	
DRIVETRAIN:			
Transmission	multitronic or six-speed automatic with Tiptronic® and automatic shift lock		
Type	FrontTrak multitronic CVT		quattro Tiptronic
	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			Torque sensing differential providing automatic and variable front to rear power proportioning
Rear Differential			Hypoid gear, electronically locking (EDL)



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Technical Specifications (continued)		2008 Audi A6 3.2 FSI	
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	Trapezoidal-link, twin-tube-gas-filled shock absorbers		
BRAKES:			
	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	12.6 in.	321 mm	- Ventilated disc
Rear, size and type	11.9 in.	302 mm	- Solid disc
BODY:			
Material	galvanized steel (Hood and front fenders are aluminum)		
Corrosion protection	Multi-step anti-corrosion protection (12 year limited warranty against corrosion perforation)		
WARRANTY/MAINTENANCE:			
	4-Year/50,000 mile new vehicle limited warranty		
	12-Month/5,000 mile (whichever occurs first) NO CHARGE first scheduled maintenance		
CAPACITIES:			
	FrontTrak multitronic CVT		quattro
Engine oil	6.9 qt.	6.5 liter	6.9 qt. 6.5 liter
Fuel tank	21.1 gal.	80 liter	21.1 gal. 80 liter
Cooling system	10.1 qt.	9.6 liter	10.1 qt. 9.6 liter
EXTERIOR DIMENSIONS:			
	FrontTrak multitronic CVT		quattro sedan quattro Avant
Wheelbase	111.9 in. 2843 mm	111.9 in. 2843 mm	111.9 in. 2843 mm
Track: front / rear	63.5 / 63.7 in. 1612 / 1618	63.5/63.7 in. 1612 / 1618	62.7 / 62.9 in. 1592/1598 Avant ground clearance
Overall length	193.5 in. 4916 mm	193.5 in. 4916 mm	194.2 in. 4933 mm if equipped with adaptive
Overall width	79.2 in. 2012 mm	79.2 in. 2012 mm	79.2 in. 2012 mm air suspension
Height (unloaded)	57.4 in. 1459 mm	57.4 in. 1459 mm	58.2 in. 1478 mm 136mm lift mode
Ground clearance (loaded)	4.6 in. 118 mm	4.6 in. 118 mm	4.6 in. 118 mm 121mm comfort mode
Curb weight man. / auto.	3858 lbs. 1750 kg	4034 lbs. 1830 kg	4211 lbs. 1935 kg 106mm dynamic mode
Drag coefficient	Cw = 0.29		Cw = 0.31
INTERIOR DIMENSIONS:			
Model	Sedan		Avant
Seating Capacity	5		5
Head room front / rear	38.7 in. 982 mm /	37.8 in. 959 mm	38.7 in. 982 mm / 38 in. 959 mm
w/sunroof front / rear	37.5 in. 952 mm /	37.8 in. 960 mm	37.5 in. 952 mm / 38 in. 960 mm
Shoulder room front / rear	57.1 in. 1450 mm /	55.9 in. 1421 mm	57.1 in. 1450 mm / 56 in. 1421 mm
Leg room front / rear	41.3 in. 1050 mm /	36.9 in. 938 mm	41.3 in. 1050 mm / 37 in. 938 mm
Int. vol. (EPA) front / rear	52.8 cu ft / 45.14 cu ft = total of 97.94 cu. ft.		
Int. vol. (EPA) front / rear	51 cu ft / 45.19 cu ft = total of 96.19 cu. ft. (with sunroof)		51.29 cu ft / 45.42 cu ft (with sunroof)
Luggage capacity (EPA)	15.9 cu. ft.		luggage capacity 33.93 cu ft
			SAE certified interior cargo volume with rear seats folded down = 63.83 cu. Ft.
PERFORMANCE:			
	FrontTrak multitronic CVT	quattro sedan	quattro Avant
0-50 mph (0-80kmh)	5.3	4.9 sec.	5.3 sec.
0-60 mph (0-100 km/h)	6.9	7.1 sec.	7.3 sec.
1/4 mile	15.2	15 sec.	15.6 sec.
Top speed	Electronically limited to 130 mph (209 km/h) on all A6 models		
FUEL ECONOMY: 2008 New EPA estimates			
	FrontTrak multitronic CVT	quattro sedan	quattro Avant
City	18 mpg	17 mpg	17 mpg
Highway	27 mpg	25 mpg	25 mpg
Combined	21 mpg	20 mpg	20 mpg
FUEL ECONOMY: 2008 Canadian estimates			
	FrontTrak multitronic CVT	quattro sedan	quattro Avant
City	CVT not sold	12.1 liters/100km	12.5 liters/100km
Highway	in Canada	8.0 liters/100km	8.1 liters/100km