

Audi of America

A6 3.2 Sedan and Avant Technical Specifications

2008 Model Year

Technical Specifications			2008 Audi A6 3.2 FSI					
ENGINE:								
Туре	V6, spark-ignition direct injection							
Arrangement	Front mounted, longitudinal							
Bore	3.33 in. 84.5 mr	m						
Stroke	3.65 in. 92.8 mr	m						
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, conti	nuous camshaft adjustm	ent for the intake and exhaust valves, 4 valves per cylinder					
Firing order	1 - 4 - 3 - 6 - 2 - 5							
Fuel injection / Ignition system	fully electronic manageme	nt with drive-by-wire thro	ottle control, petrol direct injection, cylinder-selective lamda control					
	mapped ignition with solid	-state high-voltage distri	oution, mainfold-pressure controlled system					
Emission system	two close-coupled ceramic	main catalytic converte	rs					
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							
Туре	FrontTrak multiti	ronic CVT	quattro Tiptronic					
	Auto	matic	Automatic					
Gear ratios: 1st	2.5	10:1	4.171:1					
2nd	1.4	76:1	2.340:1					
3rd	1.0	95:1	1.521:1					
4th	0.8	20:1	1.143:1					
5th	0.6	36:1	0.867:1					
6th	0.5	00:1	0.691:1					
7th	0.3	82:1						
Reverse	2.5	10:1	3.403:1					
Final Drive	4.8	77:1	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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A6 3.2 Sedan and Avant Technical Specifications

2008 Model Year

Technical Specifications	(continued)							20	008 Audi	A6 3.2 FS		
STEERING:	(oo Auui	A0 0.2 1 0		
	vohiala anaad aa	noitivo novo	r rook ond	ninion								
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 rol	I bar, twin-tub	e-gas-fille	ed shock ab	sorbers							
Rear	Trapezoidal-link,	twin-tube-gas	s-filled sh	ock absorbe								
BRAKES:												
	Electronic stabilit	y program (E	SP 8) wit	h anti-lock b	orake, electronic	rear brake pressu	re proportion	ning,				
	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.											
Rear, size and type	11.9 in.	321 mm 302 mm	- Solic	ilated disc								
BODY:	1110 1111		00	. 4.00								
Material	galvanized steel	(Hood and fro	ont fender	e are alumi	num)							
Corrosion protection	_	•			,	st corrosion perfor	ration)					
WARRANTY/MAINTENANCE:	4-Year/50,000 m				ugume							
					HARGE first sch	neduled maintena	nce					
CAPACITIES:				,								
OAI AOITIEO.	FrontTra	ak multitroni	c CVT			quattr	0					
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 multit	tronic CVT		quattro	o 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. 1	612 / 1618	6	3.5/63.7 in.	1612 / 1618	62.7 / 62.9 in.	1592/1598	Avant	ground clea	rance		
Overall length	193.5 in.	4916 mm		193.5 in.	4916 mm	194.2 in.	4933 mm	if equip	oped with ac	laptive		
Overall width	79.2 in.	2012 mm		79.2 in.	2012 mm	79.2 in.	2012 mm	air sus	pension			
Height (unloaded)	57.4 in.	1459 mm		57.4 in.	1459 mm	58.2 in.	1478 mm	136mr	n lift mode			
Ground clearance (loaded)	4.6 in.	118 mm		4.6 in.	118 mm	4.6 in.	118 mm	121mr	n comfort m	ode		
Curb weight man. / auto.		1750 kg		4034 lbs.	1830 kg	4211 lbs.	1935 kg	106mr	n dynamic n	node		
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 mr		
w/sunroof front / rear	37.5 in.	952 mm	/	37.8 in.	960 mm	37.5 in.	952 mm	/	38 in.	960 mr		
Shoulder room front / rear	57.1 in.	1450 mm	/	55.9 in.	1421 mm	57.1 in.	1450 mm	/	56 in.	1421 mr		
Leg room front / rear	41.3 in.	1050 mm	/	36.9 in.	938 mm	41.3 in.	1050 mm	/	37 in.	938 mr		
Int. vol. (EPA) front / rear Int. vol. (EPA) front / rear	52.8 cu ft / 45.14											
Int. vol. (EPA) front / rear			00.40			54.00 (1.45	. 40 . 6. / 31		0			
	51 cu ft / 45.19 c	u ft = total of	96.19 cu.		nroof)	51.29 cu ft / 45			of)			
Luggage capacity (EPA)	15.9 cu. ft.	u ft = total of	96.19 cu.		nroof)	luggage capac	ity 33.93 cu f	t				
		u ft = total of	96.19 cu.		nroof)	SAE certified	ity 33.93 cu f interior carg	t J o volu r	ne with rea	r		
Luggage capacity (EPA)		tu ft = total of	96.19 cu.		nroof)	luggage capac	ity 33.93 cu f interior carg	t J o volu r	ne with rea	r		
	15.9 cu. ft.		96.19 cu.	ft. (with sur		SAE certified seats folded o	ity 33.93 cu f interior carg lown = 63.83	t J o volu r	ne with rea	r		
Luggage capacity (EPA) PERFORMANCE:	15.9 cu. ft.		96.19 cu.	ft. (with sur	edan	luggage capac SAE certified seats folded c	ity 33.93 cu f interior carg down = 63.83	t J o volu r	ne with rea	r		
Luggage capacity (EPA) PERFORMANCE: 0-50 mph (0-80kmh)	15.9 cu. ft. FrontTrak multi 5.3		96.19 cu.	ft. (with sur	edan sec.	luggage capace SAE certified seats folded control quattr 5.3	ity 33.93 cu f interior carg down = 63.83 o Avant sec.	t J o volu r	ne with rea	r		
Luggage capacity (EPA) PERFORMANCE: 0-50 mph (0-80kmh) 0-60 mph (0-100 km/h)	15.9 cu. ft. FrontTrak multi 5.3 6.9		96.19 cu.	quattro se 4.9 7.1	edan sec. sec.	SAE certified seats folded countries quattr 5.3	ity 33.93 cu f interior carg flown = 63.83 o Avant sec. sec.	t J o volu r	ne with rea	r		
Luggage capacity (EPA) PERFORMANCE: 0-50 mph (0-80kmh) 0-60 mph (0-100 km/h) 1/4 mile	15.9 cu. ft. FrontTrak multii 5.3 6.9 15.2	tronic CVT		quattro se 4.9 7.1	sec. sec. sec.	SAE certified seats folded countries quattr 5.3	ity 33.93 cu f interior carg down = 63.83 o Avant sec.	t J o volu r	ne with rea	r		
PERFORMANCE: 0-50 mph (0-80kmh) 0-60 mph (0-100 km/h) 1/4 mile Top speed	15.9 cu. ft. FrontTrak multi 5.3 6.9	tronic CVT	ph (209 k	quattro se 4.9 7.1 15 m/h) on all	sec. sec. sec. sec.	SAE certified seats folded countries quattr 5.3	ity 33.93 cu f interior carg flown = 63.83 o Avant sec. sec.	t J o volu r	ne with rea	r		
Luggage capacity (EPA) PERFORMANCE: 0-50 mph (0-80kmh) 0-60 mph (0-100 km/h) 1/4 mile	FrontTrak multii 5.3 6.9 15.2 Electronically lim	tronic CVT	ph (209 k	quattro se 4.9 7.1 15 m/h) on all	sec. sec. sec. sec. A6 models	sats folded of quattr 5.3 7.3 15.6	ity 33.93 cu f interior carg down = 63.83 o Avant sec. sec. sec.	t J o volu r	ne with rea	r		
PERFORMANCE: 0-50 mph (0-80kmh) 0-60 mph (0-100 km/h) 1/4 mile Top speed FUEL ECONOMY:	FrontTrak multii 5.3 6.9 15.2 Electronically lim	tronic CVT lited to 130 m	ph (209 k	quattro se 4.9 7.1 15 m/h) on all v EPA estin	edan sec. sec. sec. A6 models nates	seats folded of quattr 5.3 7.3 15.6 quattr	ity 33.93 cu f interior carg flown = 63.83 o Avant sec. sec. sec.	t J o volu r	ne with rea	r		
Luggage capacity (EPA) PERFORMANCE: 0-50 mph (0-80kmh) 0-60 mph (0-100 km/h) 1/4 mile Top speed FUEL ECONOMY: City	FrontTrak multii 5.3 6.9 15.2 Electronically lim FrontTrak multii 18 m	tronic CVT iited to 130 m tronic CVT	ph (209 k	quattro se 4.9 7.1 15 m/h) on all v EPA estin quattro se 17 mpg	sedan sec. sec. sec. A6 models nates	sats folded of quattr 5.3 7.3 15.6 quattr 17	ity 33.93 cu f interior carg down = 63.83 o Avant sec. sec. sec. o Avant	t J o volu r	ne with rea	r		
Luggage capacity (EPA) PERFORMANCE: 0-50 mph (0-80kmh) 0-60 mph (0-100 km/h) 1/4 mile Top speed FUEL ECONOMY: City Highway	FrontTrak multii 5.3 6.9 15.2 Electronically lim FrontTrak multii 18 m 27 m	tronic CVT iited to 130 m tronic CVT	ph (209 k	quattro se 4.9 7.1 15 m/h) on all v EPA estin quattro se 17 mpg 25 mpg	sedan sec. sec. sec. sec. A6 models nates	seats folded of seats folded o	ity 33.93 cu f interior carg down = 63.83 o Avant sec. sec. sec. sec. o Avant mpg mpg	t J o volu r	ne with rea	r		
Luggage capacity (EPA) PERFORMANCE: 0-50 mph (0-80kmh) 0-60 mph (0-100 km/h) 1/4 mile Top speed FUEL ECONOMY: City Highway Combined	FrontTrak multii 5.3 6.9 15.2 Electronically lim FrontTrak multii 18 m 27 m	tronic CVT iited to 130 m tronic CVT npg npg npg	ph (209 k	quattro se 4.9 7.1 15 m/h) on all v EPA estin quattro se 17 mpg 25 mpg 20 mpg	sec. sec. sec. sec. A6 models mates	seats folded of seats folded o	ity 33.93 cu f interior carg down = 63.83 o Avant sec. sec. sec. o Avant	t J o volu r	ne with rea	r		
Luggage capacity (EPA) PERFORMANCE: 0-50 mph (0-80kmh) 0-60 mph (0-100 km/h) 1/4 mile Top speed FUEL ECONOMY: City Highway	FrontTrak multii 5.3 6.9 15.2 Electronically lim FrontTrak multii 18 m 27 m 21 m	tronic CVT iited to 130 m tronic CVT npg npg	ph (209 k	quattro se 4.9 7.1 15 m/h) on all v EPA estin quattro se 17 mpg 25 mpg 20 mpg nadian estin	sedan sec. sec. sec. A6 models nates	quattr 17 25 20	ity 33.93 cu f interior carg down = 63.83 o Avant sec. sec. sec. o Avant mpg mpg mpg	t J o volu r	ne with rea	r		
Luggage capacity (EPA) PERFORMANCE: 0-50 mph (0-80kmh) 0-60 mph (0-100 km/h) 1/4 mile Top speed FUEL ECONOMY: City Highway Combined FUEL ECONOMY:	FrontTrak multii 5.3 6.9 15.2 Electronically lim FrontTrak multii 18 m 27 m 21 m	tronic CVT tronic CVT tronic CVT ppg ppg ppg tronic CVT	ph (209 k	quattro se 4.9 7.1 15 m/h) on all v EPA estin quattro se 17 mpg 25 mpg 20 mpg nadian estin quattro se	sedan sec. sec. sec. sec. A6 models mates	quattr 17 25 20 quattr	ity 33.93 cu f interior carg down = 63.83 o Avant sec. sec. sec. o Avant mpg mpg mpg o Avant	t go volur s cu. Ft.	ne with rea	r		
Luggage capacity (EPA) PERFORMANCE: 0-50 mph (0-80kmh) 0-60 mph (0-100 km/h) 1/4 mile Top speed FUEL ECONOMY: City Highway Combined	FrontTrak multii 5.3 6.9 15.2 Electronically lim FrontTrak multii 18 m 27 m 21 m	tronic CVT tronic CVT tronic CVT tronic CVT tronic CVT tronic CVT sold	ph (209 k	quattro se 4.9 7.1 15 m/h) on all v EPA estin quattro se 17 mpg 25 mpg 20 mpg nadian estin quattro se 12.1 liters	sedan sec. sec. sec. sec. A6 models mates	quattr 17 25 20 quattr 17 25 20 quattr 12.5	ity 33.93 cu f interior carg down = 63.83 o Avant sec. sec. sec. o Avant mpg mpg mpg	t go volur s cu. Ft.	ne with rea	r		