



Technical Specifications		2008 Audi A4 3.2 Sedan	
ENGINE:			
Type	Aluminum V6 spark-ignition engine with gasoline direct injection, DOHC, 2-stage variable intake manifold w/2 charge movement flaps, demand-controlled high-pressure and low-pressure fuel system		
Arrangement	Front mounted, longitudinal		
Bore	3.33 in.	84.5 mm	
Stroke	3.65 in.	92.8 mm	
Displacement	190.57 cu. in.	3123 cc	
Compression ratio	12.5 : 1		
Fuel requirement	Premium unleaded 91 AKI / 95 RON recommended for maximum performance		
Horsepower (SAE)	255 hp @ 6500 rpm		
Torque	243 lbs. ft. @ 3250 rpm		
ENGINE DESIGN:			
Cylinder block	High integrity aluminum cylinder block with cast-in thin wall gray iron liners		
Crankshaft	Forged steel		
Cylinder head	Aluminum alloy		
Valve train / intake	DOHC chain driven, hydraulic valve lifters, two-stage variable intake manifold		
Cooling system	Water-cooled, thermostatically controlled radiator fan		
Lubrication system	Gear pump, pressurized, full flow with oil cooler		
Fuel injection: FSI Direct Injection	<p>-A common rail high-pressure injection system with a newly developed single-piston high-pressure pump operating on demand ensures exactly the right amount of fuel, delivering precisely the volume required for building up operating pressure between 30 and 110 bar.</p> <p>-The intake tract, also comprising the two-stage variable intake manifold, moving charge-movement flaps provide the necessary tumble effect, swirling the induced air around depending on operating point. In order to achieve the high specific power and torque values, a new combustion process has been developed. This has the potential for worldwide application and for operation on the fuel grade RON 95/91. Together with the optimum geometry of the combustion chambers and the dosage of fuel injected with supreme accuracy down to the last millisecond, this allows a significant increase in compression:</p> <p>-While conventional production engines generally have a compression ratio of now more than 10.5 : 1, the compression ratio on Audi's 3.2 FSI power unit is 12.5 : 1 - a record on production cars and the essential prerequisite for the new engine's high standard of efficiency.</p>		
Emission system	Dual 3-way catalytic converters w/individual oxygen sensors		
ELECTRICAL SYSTEM:			
Battery	12 volts	80 amp/hr	
Alternator	14 volts	120 amp	
DRIVETRAIN:			
Transmissions	6-speed automatic with Tiptronic®		
Type	FrontTrak		quattro
	multitronic® CVT		Manual 6-speed Automatic 6-speed w/ Tiptronic®
Gear ratios:	1st	2.376:1	3.667:1 4.171:1
	2nd	1.476:1	2.053:1 2.340:1
	3rd	1.095:1	1.423:1 1.521:1
	4th	0.861:1	1.065:1 1.143:1
	5th	0.636:1	0.853:1 0.867:1
	6th	0.500:1	0.730:1 0.691:1
	Final Drive	7th 0.381:1	3.889:1 3.539:1
Front Differential	Hypoid gear, electronically locking (EDL)		
Center Differential	self-locking differential providing automatic and variable front to rear power proportioning		
Rear Differential	Hypoid gear, electronically locking (EDL)		
STEERING:			
Type	Maintenance-free rack-and-pinion steering with Servotronic electronic power assist		
Ratio	16.3:1		
Turns (lock-to-lock)	n.a.		
Turning circle (curb-to-curb)	36.4 ft.	11.1 m	
SUSPENSION:			
Front	Four-link front suspension, upper and lower wishbones, tubular anti-roll bar		
Rear	Independent-wheel, trapezoidal-link rear suspension with resiliently mounted subframe, anti-roll bar		
BRAKES:			
Service brake	Dual circuit brake system with diagonal split, Anti-lock Brake System (ABS), Electronic Brake pressure Distribution (EBD) and Electronic Stabilization Program, upgraded version 8.0 (ESP) with brake disc wiping feature; tandem brake booster		
Front, size and type	12.6 in.	320x30 mm	- Ventilated disc / ContiTeves FNRG-60
Rear, size and type	11.3 in.	288x12 mm	- Solid disc / TRW CII-41
Parking brake	Mechanically actuated at the rear wheels		

A4 3.2 Specifications



Technical Specifications (continued)										2008 Audi A4 3.2 Sedan														
WHEELS:										Standard 17" (C8F)				S line 18" (CH9)										
Size										7.5J x 17				8J x 18										
Offset										45 mm				43 mm										
Weight										n/a				n/a										
Type										Cast alloy 5 double spoke				Cast alloy 5-arm quattro GmbH										
TIRES:																								
Size										235 / 45 R17				235 / 40 R18										
Speed rating										H (all-season)				Y (high performance)										
Construction										Radial				Radial										
Load Index										94				n/a										
Brand / Type (all approved)										<i>Michelin Pilot Primacy (performance)</i> <i>Conti Sport Contact 2 (performance)</i> <i>Pirelli P6 FourSeasons (all-seasons)</i>														
BODY:																								
Material										Unitized steel structure with integrated aluminum and magnesium components														
Corrosion protection										All steel parts are 100% dual-side zinc-galvanized. (12-year limited warranty against corrosion perforation)														
CAPACITIES:																								
										FrontTrak					quattro									
Engine oil										6.3 qt.		6 liter			6.3 qt.		6 liter							
Fuel tank										18.5 gal.		70 liter			16.6 gal.		63 liter							
Cooling system										9.5 qt.		9 liter			9.5 qt.		9 liter							
EXTERIOR DIMENSIONS:																								
										FrontTrak					quattro									
Wheelbase										104.3 in.		2648 mm			104.3 in.		2648 mm							
Track: front / rear										59.9 in.		1522 mm / 59.9 in.			59.9 in.		1522 mm / 59.9 in.							
Overall length										180.6 in.		4586 mm			180.6 in.		4586 mm							
Overall width / with mirrors										69.8 in.		1772 mm / 76.3 in.			69.8 in.		1772 mm / 76.3 in.							
Height (unloaded)										56.2 in.		1427 mm			56.2 in.		1427 mm							
Ground clearance (loaded)										4.2 in.		106 mm			4.2 in.		106 mm							
Curb weight: man. / auto.										3571 lbs. 1620 kg					3649 lbs. 1655 kg 3748 lbs. 1700 kg									
Distribution: % front / rear															58 / 42 59 / 41									
Drag coefficient: Front / quattro										Cw = 0.31 Frontal Area = 2.18 sq. m.														
INTERIOR DIMENSIONS (SAE measurements):																								
Seating Capacity										5														
EPA class										Compact														
Head room front / rear										38.4 in.		976 mm / 37.24 in.			946 mm									
w/sunroof front / rear										37.9 in.		962 mm / 37.1 in.			942 mm									
Shoulder room front / rear										55.1 in.		1400 mm / 53.43 in.			1357 mm									
Leg room front / rear										41.3 in.		1050 mm / 34.25 in.			870 mm									
Int. volume Sedan front / rear										50.7 cu. ft.		1436 liters / 39.4 cu. ft.			1116 liters									
Luggage Capacity Sedan										13.4 cu. ft.		380 liters			103.5 = total of cu. ft (including trunk volume)									
Int. Volume Avant front / rear										50.7 cu. ft.		1436 liters / 40.1 cu. ft.			1136 liters									
Luggage Capacity Avant										27.8 cu. ft.		787 liters			118.6 = total of cu. ft (including trunk volume)									
Avant rear volume with seats folded										59 cu. ft.		1672 liters												
PERFORMANCE:																								
										FrontTrak					quattro									
										multitronic® CVT					Manual 6-speed					Automatic 6-speed w/ Tiptronic®				
0-50 mph (0-80kmh)										4.8 sec.					4.7 sec.					4.9 sec.				
0-60 mph (0-100 km/h)										6.6 sec.					6.5 sec.					6.7 sec.				
Top speed										Top speed is electronically limited at 130 MPH (208 km/h)														
FUEL ECONOMY:										US EPA														
										FrontTrak					quattro									
										multitronic® CVT					Manual 6-speed					Automatic 6-speed w/ Tiptronic®				
City										18					15					17 mpg				
Highway										27					25					25 mpg				
Combined										21					19					20 mpg				
FUEL CONSUMPTION:										Canadian (estimated)														
																				Automatic 6-speed w/ Tiptronic®				
City										n/a					n/a					12.6 liters/100km				
Highway										n/a					n/a					8.2 liters/100km				