## 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 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 110 amp/hr  
- **Alternator:** 14 volts 180 amp

### Drivetrain

- **Transmission:** multitronic CVT  
- **Type:** FrontTrak multitronic CVT  
- **Gear ratios:**  
  - **1st:** 2.510:1  
  - **2nd:** 1.476:1  
  - **3rd:** 1.095:1  
  - **4th:** 0.820:1  
  - **5th:** 0.636:1  
  - **6th:** 0.500:1  
  - **7th:** 0.382:1  
  - **Reverse:** 2.510:1  
- **Final Drive:** 4.877:1  
- **Front Differential:** Hypoid gear, electronically locking (EDL)  
- **Center Differential:**  
- **Rear Differential:**

### 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
Audi of America
A6 3.2 Sedan Technical Specifications
2009 Model Year

### Technical Specifications (continued) 2009 Audi A6 3.2 FSI

#### 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:
- **Engine oil:** 6.9 qt. 6.5 liter
- **Fuel tank:** 21.1 gal. 80 liter
- **Cooling system:** 10.1 qt. 9.6 liter

#### EXTERIOR DIMENSIONS:
- **Wheelbase:** 111.9 in. 2843 mm
- **Track: front / rear:** 63.5 / 63.7 in. 1612 / 1618
- **Overall length:** 193.5 in. 4916 mm
- **Overall width:** 79.2 in. 2012 mm
- **Height (unloaded):** 4.6 in. 116 mm
- **Curb weight man. / auto.:** 3847 lbs
- **Drag coefficient Cw:** 0.29

#### INTERIOR DIMENSIONS:
- **Model:** Sedan
- **Seating Capacity:** 5
- **Head room:**
  - front / rear: 38.7 in. / 962 mm / 37.8 in. / 959 mm
  - w/sunroof: 37.5 in. / 952 mm / 37.8 in. / 960 mm
- **Shoulder room:**
  - front / rear: 57.1 in. / 1450 mm / 59.9 in. / 1421 mm
- **Leg room:**
  - front / rear: 41.3 in. / 1050 mm / 36.9 in. / 938 mm
- **Int. vol. (EPA):**
  - front / rear: 52.8 cu ft / 45.14 cu ft = total of 97.94 cu. ft.
  - w/sunroof: 15.9 cu ft

#### PERFORMANCE:
- **0-50 mph (0-80kmh):** 5.3
- **0-60 mph (0-100 km/h):** 6.9
- **1/4 mile:** 15.2
- **Top speed:** Electronically limited to 130 mph (209 km/h) on all A6 models

#### FUEL ECONOMY:
- **EPA estimate:**
  - City: 18 mpg
  - Highway: 27 mpg
  - Combined: 21 mpg
Audi A6

Dimensions

09/08

*maximum headroom
Dimensions in millimeters and inches
Dimensions of vehicle unloaded