## Technical Specifications

### ENGINE:

<table>
<thead>
<tr>
<th>Type</th>
<th>DOHC aluminum alloy 90 degree V8, LEV exhaust standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arrangement</td>
<td>Front mounted, longitudinal</td>
</tr>
<tr>
<td>Bore</td>
<td>3.32 in. 84.5 mm</td>
</tr>
<tr>
<td>Stroke</td>
<td>3.66 in. 93.0 mm</td>
</tr>
<tr>
<td>Displacement</td>
<td>255 cu. in. 4172 cc</td>
</tr>
<tr>
<td>Compression ratio</td>
<td></td>
</tr>
<tr>
<td>Fuel requirement</td>
<td>Premium unleaded (91 AKI) recommended for maximum performance</td>
</tr>
<tr>
<td>Horsepower (SAE)</td>
<td>300 hp @ 6200 rpm</td>
</tr>
<tr>
<td>Max Torque</td>
<td>295 lbs. ft. @ 3000 - 4000 rpm</td>
</tr>
</tbody>
</table>

### ENGINE DESIGN:

| Cylinder block | Aluminum alloy |
| Crankshaft | Forged steel, 5 main bearings |
| Cylinder head | Aluminum alloy |
| Valve train / intake | DOHC, belt driven, hydraulic lifters, three path variable intake manifold, roller camshaft followers, variable intake camshaft timing |
| Firing order | 1 - 5 - 4 - 8 - 6 - 3 - 7 - 2 |
| Cooling system | Water-cooled, thermostatically controlled radiator fan |
| Lubrication system | Gear pump, pressurized, full flow with oil cooler |
| Fuel injection / Ignition system | ME 7.0 Motronic® with electronic multi-point sequential fuel injection, hot film air mass sensor, solid state direct ignition with multiple coils, dual knock sensors with cylinder selective knock control and fully adaptive controls, electronic throttle control |
| Emission system | Dual 3-way catalytic converters with individual (four) oxygen sensors |

### ELECTRICAL SYSTEM:

| Battery | 12 volts 92 amp/hr |
| Alternator | 14 volts 150 amp |

### DRIVETRAIN:

| Transmission | Electronically controlled five-speed automatic with Tiptronic®, Dynamic Shift Program (DSP) and hill detection capability, lock-up torque converter and automatic shift lock |
| Type | quattro® |
| Gear ratios: 1st | 3.571 : 1 |
| 2nd | 2.200 : 1 |
| 3rd | 1.508 : 1 |
| 4th | 1.000 : 1 |
| 5th | 0.803 : 1 |
| Reverse | 4.095 : 1 |
| Final Drive | 2.727 : 1 |
| Front Differential | 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 | Rack and pinion, Servotronic® - vehicle speed variable power assist |
| Ratio | 16.2 : 1 |
| Turns (lock-to-lock) | 2.81 |
| Turning circle (curb-to-curbs) | 38.3 ft. 11.68 m. |

### SUSPENSION:

| Front | Four link with upper and lower control arms, stabilizer bar, coil spring, shock absorber struts (gas charged) |
| Rear (quattro®) | Double control arm (upper and lower), stabilizer bar, coil springs, shock absorber (gas charged) |

### BRAKES:

| Service brake | Diagonally split dual circuits, ABS/EBV; brake servo. At front, ventilated discs and high-performance 4-pot HP2 high-performance brakes, at rear, ventilated disc brakes |
| Front, size and type | 12.6 in. 321 mm - Ventilated disc 321 x 30 mm |
| Rear, size and type | 10.1 in. 256 mm - Ventilated disc 256 x 22 mm |
| Parking brake | Mechanically actuated at the rear wheels |
### Technical Specifications (continued)

#### WHEELS:
- **Size:**
  - 8J x 16, 6-spoke alloy wheel (standard)
  - 8J x 17, 8-spoke cast alloy wheel (optional)
  - 8J x 17, 5-spoke forged alloy wheel (optional in the Sport Package or as stand-alone option)

#### TIRES:
- **Size:**
  - 235/55 R 16 95 H all-season: 255/40 ZR 17 performance tire
  - 255/40 ZR 17 performance tire

#### BODY:
- **Material:** Fully galvanized (both sides) steel, aluminum front hood and front fender
- **Corrosion protection:** Multi-step anti-corrosion protection

#### CAPACITIES:
- **Engine oil:** 8.0 qt. / 7.5 liter
- **Fuel tank:** 21.7 gal. / 82.0 liter
- **Cooling system:** 11.6 qt. / 11.0 liter

#### EXTERIOR DIMENSIONS:
- **Wheelbase:** 108.6 in. / 2759 mm
- **Track:**
  - front / rear: 62.1 in. / 1578 mm / 62.6 in. / 1590 mm
- **Overall length:** 193.4 in. / 4913 mm
- **Overall width (with mirrors):** 76.1 in. / 1932 mm
- **Height (unloaded):** 57.0 in. / 1448 mm
- **Ground clearance (loaded):** 4.8 in. / 123 mm
- **Curb weight (auto):** 4024 lbs. / 1825 kg
- **Distribution % front / rear:** 60 / 40

#### INTERIOR DIMENSIONS:
- **Seating Capacity:** 5
- **EPA class:** Mid-size
- **Head room:**
  - front / rear: 39.3 in. / 998 mm / 37.9 in. / 953 mm
- **Shoulder room:**
  - front / rear: 56.2 in. / 1427 mm / 55.7 in. / 1415 mm
- **Leg room:**
  - front / rear: 41.3 in. / 1049 mm / 37.3 in. / 948 mm
- **Int. vol. (EPA):**
  - front / rear: 52.7 cu. ft. / 45.6 cu. ft. (with sunroof)
- **Luggage capacity (EPA):** 15.4 cu. ft.

#### PERFORMANCE:
- **Automatic:**
  - 0-60 mph (0-96 km/h): 5.0 sec.
  - 0-80 mph (0-128 km/h): 8.7 sec.
  - 1/4 mile: 15.0 sec.
- **Top speed:** Top speed is electronically limited to 130 mph (209 km/h) for North America

#### FUEL ECONOMY:
- **EPA Estimate**
  - **Automatic:**
    - City: 17.0 mpg
    - Highway: 25.0 mpg
    - Combined: 20.0 mpg

#### FUEL ECONOMY:
- **Canadian Estimate**
  - **Automatic:**
    - City: 13.8 L/100km
    - Highway: 8.7 L/100km
# 2002 Audi A6 4.2 Equipment

## Technical

<table>
<thead>
<tr>
<th>Description</th>
<th>A6 4.2 Sedan</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.2 liter DOHC aluminum alloy 300 hp 90 degree V8 engine, 5-valves per cylinder, variable intake magnesium manifold</td>
<td>x</td>
</tr>
<tr>
<td>with 3 intake paths, direct ignition system, roller camshaft followers, variable intake camshaft timing</td>
<td>O</td>
</tr>
<tr>
<td>5-speed HP-24 automatic transmission with Tiptronic® and DSP (selects from over 200 shift programs to match driver needs)</td>
<td>x</td>
</tr>
<tr>
<td>hill detection capability and new &quot;Sport-mode&quot; setting</td>
<td>O</td>
</tr>
<tr>
<td>ESP 5.7 - Electronic Stabilization Program with break assist</td>
<td>x</td>
</tr>
<tr>
<td>quattro® IV - permanent all-wheel drive system with Torsen® torque sensing center differential</td>
<td>x</td>
</tr>
<tr>
<td>Anti-lock brake system (ABS 5.3) with front and rear Electronic Differential Locks (EDL) and electronic rear brake</td>
<td>x</td>
</tr>
<tr>
<td>pressure regulation</td>
<td></td>
</tr>
<tr>
<td>CFC-free (ChloroFlouroCarbon) air conditioning refrigerant</td>
<td>x</td>
</tr>
<tr>
<td>Fully galvanized steel unibody construction with aluminum hood and front fenders</td>
<td>O</td>
</tr>
<tr>
<td>Audi Navigation System</td>
<td></td>
</tr>
</tbody>
</table>

## Wheels / Tires / Suspension / Steering

<table>
<thead>
<tr>
<th>Description</th>
<th>A6 4.2 Sedan</th>
</tr>
</thead>
<tbody>
<tr>
<td>8J x 16 inch 6-spoke cast alloy wheels (ET 35 mm) with 235/50 all-season tires</td>
<td>x</td>
</tr>
<tr>
<td>8J x 17 inch 8-spoke cast alloy wheels (ET 35 mm) with 255/40 performance tires</td>
<td>O</td>
</tr>
<tr>
<td>8J x 17 inch 5-spoke cast alloy wheels (ET 45 mm) with 255/40 performance tires</td>
<td>P / O</td>
</tr>
<tr>
<td>Sport suspension with:</td>
<td>P</td>
</tr>
<tr>
<td>- body lowered 20mm</td>
<td></td>
</tr>
<tr>
<td>- shocks with 40% increased compression damping</td>
<td></td>
</tr>
<tr>
<td>- 30% stiffer spring rate</td>
<td></td>
</tr>
<tr>
<td>- thicker stabilizer bar</td>
<td></td>
</tr>
<tr>
<td>HP2 4-pad front brakes, high-performance</td>
<td>x</td>
</tr>
<tr>
<td>Full size spare tire with alloy wheel</td>
<td>x</td>
</tr>
<tr>
<td>Four-link front suspension</td>
<td>x</td>
</tr>
<tr>
<td>Double A-arm rear suspension</td>
<td>x</td>
</tr>
<tr>
<td>Servotronic® - vehicle speed-sensitive power rack &amp; pinion steering</td>
<td>x</td>
</tr>
<tr>
<td>Leather covered 4-spoke multifunctional steering wheel with audio controls and Tiptronic®</td>
<td>x</td>
</tr>
<tr>
<td>Electrically adjustable tilt and telescopic steering column with automatic tilt-away for ease of entry and exit</td>
<td>x</td>
</tr>
<tr>
<td>Heated steering wheel</td>
<td>P</td>
</tr>
</tbody>
</table>

## Exterior

<table>
<thead>
<tr>
<th>Description</th>
<th>A6 4.2 Sedan</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 MPH (Federal standard) bumpers, painted in body color</td>
<td>x</td>
</tr>
<tr>
<td>Bumper covers contoured to be flush with body surface and profile</td>
<td>x</td>
</tr>
<tr>
<td>Protective side moldings, painted in body color</td>
<td>x</td>
</tr>
<tr>
<td>Body color, flush door handles</td>
<td>x</td>
</tr>
<tr>
<td>Bright trim around side windows and lower trunk lid</td>
<td>x</td>
</tr>
<tr>
<td>Body color outside mirrors; left side flat, right side convex</td>
<td>x</td>
</tr>
<tr>
<td>Heatable windshield washer nozzles</td>
<td>x</td>
</tr>
<tr>
<td>Metallic or pear effect paint at no extra charge</td>
<td>x</td>
</tr>
<tr>
<td>Aluminum door sill strips with &quot;Audi&quot; script</td>
<td>x</td>
</tr>
<tr>
<td>Visible dual exhaust</td>
<td>x</td>
</tr>
<tr>
<td>Powerglass slide/tilt sunroof with sunshade</td>
<td>x</td>
</tr>
<tr>
<td>Solar sunroof</td>
<td>P</td>
</tr>
<tr>
<td>Nomenclature:</td>
<td>x</td>
</tr>
<tr>
<td>- A6 on rear deck lid - left</td>
<td></td>
</tr>
<tr>
<td>- 4.2 on rear deck lid - right</td>
<td></td>
</tr>
<tr>
<td>- Four rings on center of rear deck lid &amp; front grille</td>
<td>x</td>
</tr>
<tr>
<td>- 80 mm &quot;quattro&quot; badge on:</td>
<td>x</td>
</tr>
<tr>
<td>- rear deck lid - right</td>
<td></td>
</tr>
<tr>
<td>- front grille - right</td>
<td></td>
</tr>
<tr>
<td>- dashboard belt line trim - right</td>
<td></td>
</tr>
</tbody>
</table>
## 2002 Audi A6 4.2

### Equipment

<table>
<thead>
<tr>
<th>Legend</th>
<th>A6 4.2 Sedan</th>
</tr>
</thead>
<tbody>
<tr>
<td>x = Standard</td>
<td>P = Package</td>
</tr>
<tr>
<td>O = Optional</td>
<td></td>
</tr>
</tbody>
</table>

### Exterior Lighting
- Halogen headlights, 3-way lights, including integrated ellipsoid low beam
- Xenon high intensity, low and high beam headlights
- Two front fog lights located in lower bumper (fog lights as daytime running lights for Canadian vehicles)
- Two rear fog lights
- High pressure headlight washers, retractable, flush with bumper
- Red tail-light lenses with amber lenses for turn signal
- "Puddle" lights in all four doors
- White side turn indicator lights in front fenders with amber shine-through bulbs

### Interior Lighting
- Interior lights in front and rear headliner with fade-in and fade-out feature, time delay and automatic switch on when key is withdrawn from ignition
- Front and rear reading lights located in headliner
- Red ambient LED lighting in headliner for front center console illumination
- Illumination for interior door release handles
- Front and rear footwell lights
- Illuminated glove box, trunk, lighter and ashtray

### Comfort and Convenience
- Fully automatic dual zone climate control system with sun sensor and activated charcoal filter
- Power windows with:
  - power retention (until either front door is opened)
  - "one-touch down" and "one-touch up" for all four windows
  - "pinch protection" for all four windows (reverses window at force >100N)
  - driver controlled lock out switch for rear power windows
- Electronic cruise control with coast, resume and speed-up features
- Large auto dimming/folding outside mirrors and auto dimming inside mirrors
- Electrical adjustable outside mirrors with defog features
- Electrical rear window defogger with automatic timed shut off feature
- Power central locking system (doors, deck lid and fuel door), with selective unlocking (enables unlocking of a single front door or all doors), plus:
  - convenient close feature for windows & sunroof (functions by holding key in lock position)
  - master switch located in driver's door
  - convenient open for windows (functions by holding key in unlock position)
- Radio frequency remote locking system with selective unlock, remote trunk opening and panic function, remote also activates interior lights and alarm system
- Remote rear deck lid release button located in driver's door with "soft touch" open
- Illuminated vanity mirrors in right and left front sunvisors
- 4 assist handles in headliner with slow retraction feature
- Folding ignition key with remote controls (including rear lid release)
- HomeLink® 3 channel remote transmitter located in driver's sunvisor
## Seating

- 12-way power front driver and passenger seats including electric lumbar adjustment and lockable head restraints
- 3-position memory for driver and passenger seat (drivers side memory controls seats, mirrors, steering wheel position and climate control)
- "2 plus 1" contoured rear seat bench, (60/40 split fold)
- 2 adjustable head restraints for rear seat
- Folding front center armrest with adjustable angle
- Front and rear heated seats
- Sport front seats
- 1/3, 2/3 split folding rear seat with lockable seat backs

## Interior

- Leather seat upholstery, including door panel inserts
- Leather shift knob
- Full length center console with:
  - forward storage area in front of shift selector / fold out cup holder
  - storage area under front center armrest
  - adjustable rear passenger air vents and rear power outlet
- Two retractable front cup holders (one in dash and one in center console)
  (The cup holder in center console is not available with Audi Navigation System)
- Retractable storage tray in left side of center dashboard console
- Two retractable rear cup holders (located in rear center armrest)
- Owners manual wallet (storage area) below steering column
- Rear seat heater vents under front seats
- Genuine wood inlays in dashboard, center console, and door panels
- Front and rear floor footwell mats
- Four tie-down eyelets with cargo net in trunk
- Tool kit located in left rear storage compartment in luggage area
- Fold down rear center armrest
- Auto dimming inside mirrors and dimming / folding outside rearview mirrors
- Power rear window sunshade with manual rear side window sunshades

## Instrumentation and Electrical Equipment

- Backlit instrument cluster with automatic brightness control with:
  - tachometer, electronic speedometer, digital clock with date, fuel gauge
  - temperature gauge, oil temperature gauge, voltmeter, white illumination with red pointers
- Digital odometer with service interval indicator
- Driver information display with:
  - outside temperature display plus 5-function trip computer
  - radio/telephone display
  - active Auto Check system with speed warning device
  - pictogram display for open door and deck lid
- Anti-theft vehicle alarm system with blinking theft deterrent light and interior monitoring sensors with defeat switch in driver's side B-pillar
## Instrumentation and Electrical Equipment (Continued)

- Windshield wipers with large sweep area and 4-position interval rates
- Symphony II 2-DIN AM/FM radio with cassette, 6-disc CD-player and:
  - RBDS (Radio Broadcast Display System displays radio station call letters and other information)
  - GALA (Graduated Audio Level Adjustment, varies volume based on vehicle speed)
- Integrated digital portable phone with voice recognition (delayed introduction)
- OnStar telematics hardware with 1 year service and phone preparation (delayed introduction)
- Bose® 200 Watt Premium Sound System with subwoofer
- Diversified (four) rear window glass radio antenna
- Pre-wiring for 6-disc CD changer (with mounting bracket in trunk)

## Safety

- Driver and front passenger next generation airbag supplemental restraints
- Front seat-mounted side airbags
- Inflatable "SIDEGUARD" curtain airbags
- Rear seat-mounted side airbags
- Front 3-point safety belts with automatic pretensioning, height adjustable upper mounts and belt force limiters
- Two rear 3-point safety belts with automatic pretensioning
- Front passenger and rear safety belts with Convertible Locking Retractors (ALR and ELR modes)
- Child-safety rear door locks
- Central locking system with safety unlock feature (unlocks doors and turns on interior lights if airbag deploys)
- Active reflectors in rear of all doors
- Emergency warning triangle located in rear deck lid
- Locking headrests for front seats
- Rear child seat tether anchors
- First Aid kit in rear center armrest
- Rear Parktronic™ Acoustic Parking System
- Immobilizer III transponder system
- Trunk release handle in trunk interior
## 2002 Audi A6 4.2 Option Program

### Legend
- **x** = Included in package
- **O** = Optional
- **-** = Not available

### Options

**Sport package**
- 17 inch 5-spoke forged alloy wheel with 255 / 40 R 17 with performance tires  
- Front sport seats  
- Sport suspension (body lowered 20mm; spring rate 30% stiffer; shock absorber 40% more compression damping; increased diameter stabilizer bar)

**Premium Package**
- Heated front and rear seats  
- Heated steering wheel  
- Xenon high intensity, low and high beam headlights  
- Rear Parktronic™

**Warm Weather Package**
- Solar sunroof  
- Power rear window sunshade with manual rear side window sunshades

### Separate Options

- Rear side airbags
- Audi Navigation System  
- 17 inch 5-spoke forged alloy wheel with 255/40 R 17 performance tires  
- 17 inch 8-spoke alloy wheel with 255/40 R 17 performance tires **  
- Pearlscents white  
- Motorola® digital/portable phone with voice control (in combination with OnStar) *  
- OnStar telematics hardware with 1 year service and phone preparation *

* delayed introduction  
** not available with sport package

### Warranty Information for all models

**United States / Canada**
- 4-year/50,000 mile new vehicle limited warranty / 4-year/80,000 km new vehicle limited warranty  
- 4-year/50,000 mile no-charge scheduled maintenance / 4-year/80,000 km no-charge scheduled maintenance  
- 12-year limited warranty against corrosion perforation  
- 24-hour Roadside Assistance for 4 years

"quattro" is a registered trademark of Audi AG  
"multitronic" is a registered trademark of Audi AG  
"Tiptronic" is a registered trademark of Dr. Ing. h. c. F. Porsche AG.  
"Torsen" is a registered trademark of Zexel-Gleason USA, Inc.  
"Servotronic" is a registered trademark of the AM General Corporation.  
"Motorola" is a registered trademark of Motorola, Inc.  
"HomeLink" is a registered trademark of Prince Corporation, Holland, Michigan.  
"Bose" is a registered trademark of the Bose Corporation. Covered by patent rights issued and/or pending.  
"Parktronic" is registered trademark of Audi AG  
"FrontTrak" is a registered trademark of Audi AG  
"OnStar" is a registered trademark of OnStar, Corp.
### 2002 Audi A6 4.2

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Model</th>
<th>Body Style</th>
<th>Transmission</th>
<th>Drivetrain</th>
<th>Suggested Retail</th>
</tr>
</thead>
<tbody>
<tr>
<td>4B451Z</td>
<td>A6 4.2</td>
<td>Sedan</td>
<td>5-Spd Automatic Tip.</td>
<td>quattro</td>
<td>$ 49,650</td>
</tr>
</tbody>
</table>

- **4.2**
  - Leather Upholstery
  - NC

- **D4D4**
  - Pearlescent White Paint
  - O
  - 1,200

- **PPX**
  - Premium Package
    - Heated Front and Rear Seats
    - Heated Steering Wheel
    - Xenon High Intensity Discharge Headlights (High & Low Beams)
    - Rear Parktronic®
  - O
  - 850

- **PPS**
  - Sport Package
    - Sport Suspension
    - Sport Front Seats
    - 17" 5-Spoke Forged Alloy Wheels
    - Performance 255/40 Tires
  - O
  - 1,750

- **PWX**
  - Warm Weather Package
    - Sunroof Solar Panel (Replaces Glass Panel)
    - Manual Rear Side Window Sunshades
    - Power Rear Window Sunshade
  - O
  - 1,000

- **7Q9**
  - Audi Navigation System (Includes Map CD's)
  - O
  - 1,350

- **4X4**
  - Rear Side Airbags
  - O
  - 350

- **PRE**
  - 17" Cast Alloy Wheels w/Performance Tires
  - O
  - 750

- **PRK**
  - 17" 5-Spoke Forged Alloy Wheels w/Performance Tires
  - O
  - 1,000

- **0LM**
  - California Emissions Requirements
  - O
  - NC

- **1QE**
  - Northeast Trading Region Emissions Req.
  - O
  - NC

---

**Key:**
- O = Optional
- S = Standard
- NA = Not Available
- NC = No Charge

Specifications, equipment, options and prices are subject to change without notice. Some items may be unavailable when the vehicle is built. Prices exclude destination charges, registration and dealer delivery charges. Intro 2002 MY Prices