



2004 Audi A8 L Sedan

Technical Specifications		2004 Audi A8 L Sedan	
ENGINE:			
Type	DOHC aluminum alloy 90 degree V8, ULEV exhaust standard		
Arrangement	Front mounted, longitudinal		
Bore	3.33 in.	84.5 mm	
Stroke	3.66 in.	93 mm	
Displacement	255 cu. in.	4172 cc	
Compression ratio	11.0 : 1		
Fuel requirement	Premium unleaded 91 AKI / 95 RON recommended for maximum performance		
Horsepower (SAE)	330 hp	@ 6500 rpm	
Torque	317 lb.-ft.	@ 3500 rpm	
ENGINE DESIGN:			
Cylinder block	Aluminum alloy		
Crankshaft	Forged steel, 5 main bearings		
Cylinder head	Aluminum alloy		
Valve train / intake	DOHC, hydraulic valve lifters, two-stage variable intake manifold		
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	Fully electronic engine management utilizing Bosch Motronic [®] ME7.1.1., sequential injection with adaptive idle-charge control, acceleration enrichment, overrun fuel cut-off, adaptive lambda control, mapped ignition with solid-state high-voltage distribution via single spark coils, cylinder selective adaptive knock control with two sensors		
Emission system	Dual 3-way catalytic converters w/individual oxygen sensors		
ELECTRICAL SYSTEM:			
Battery	12 volts	95 amp/hr	
Alternator	14 volts	190 amp	
DRIVETRAIN:			
Transmissions	• 6-speed Tiptronic transmission		
Type	quattro all-wheel drive		
	6-speed Tiptronic transmission		
Gear ratios:	1st	4.171:1	
	2nd	2.340:1	
	3rd	1.521:1	
	4th	1.143:1	
	5th	0.867:1	
	6th	0.691:1	
	Final Drive	3.317:1	
	Reverse	3.403:1	
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	Maintenance-free rack-and-pinion steering with Servotronic variable speed-based power assist		
Turns (lock-to-lock)	2.8		
Turning circle (curb-to-curb)	41.0 ft.	12.5 m	
SUSPENSION:			
Fully Pneumatic	Air Suspension Struts at all four wheels.		
	Air Strut damping characteristics are continuously adjusted via sensors.		
	Four driver-activated suspension settings (Dynamic, Comfort, Lift, and Automatic)		
BRAKES:			
Service brake	Dual circuit brake system with diagonal split, Anti-lock Brake System (ABS), Electronic Brake Distribution (EBD) and Electronic Stabilization Program (ESP); tandem brake booster		
Front, size and type	14.2 in.	360x34 mm	- Ventilated disc
Rear, size and type	12.2 in.	310x22 mm	- Ventilated disc
Parking brake	Electro-mechanically actuated at the rear wheels		

Technical Specifications (continued)
2004 Audi A8 L 4.2 Sedan

WHEELS:	Standard 17" (CG0)	Optional 18" (CG3)	Optional 19" (CG4)
Size	8J x 17	8.5J x 18	8.5J x 19
Offset	43 mm	45 mm	45 mm
Weight	11,500 g / 25.3 lbs	12,800 g / 28.2 lbs	11,100 g / 24.5 lbs
Type	Cast alloy	Cast alloy	Cast alloy
TIRES:	Standard 17" (HA7)	Optional 18" (HG7)	Optional 19" (H4L)
Size	235 / 55	255 / 45	255 / 40
Speed rating	H	H	Y
Construction	Radial	Radial	Radial
Load Index	99	99	100
Brand / Type (<i>all approved</i>)	Pirelli P6 Four Seasons	Conti TouringContact Ch 95	Bridgestone Potenza RE 040 (performance tire)
	Michelin Pilot HX-MXM 4	Pirelli P6 Four Seasons	Pirelli P Zero Rosso (performance tire)

BODY:	
Material	Audi Space Frame construction (aluminum alloy) with aluminum alloy body panels
Corrosion protection	Multi-step anti-corrosion protection

CAPACITIES:	
	quattro all-wheel drive
Engine oil	8 qt. 7.5 liter
Fuel tank	23.7 gal. 90 liter
Cooling system	12.15 qt. 11.5 liter

EXTERIOR DIMENSIONS:	
	Front wheel drive
Wheelbase	121.1 in. 3075 mm
Track: front / rear	64.1 in. 1629 mm / 63.6 in. n.a. 1615
Overall length	204.0 in. 5181 mm
Overall width / with mirrors	74.6 in. 1894 mm / 79.8 in. 2028 mm
Height (unloaded)	57.3 in. 1455 mm
Ground clearance (loaded)	4.72 in +/- 1 in 120 mm +/- 25 mm *** Ground clearance is dependent on Suspension Mode setting
Curb weight	4399 lbs. 1995 kg
Distribution % front / rear	56.4 / 43.6
Drag coefficient	Cw = 0.27 Frontal Area = 2.31 sq. m.

INTERIOR DIMENSIONS (SAE measurements):	
Seating Capacity	5
EPA class	Large
Head room front / rear	39.1 in. 993 mm / 38.6 in. 981 mm (Note: AoA A8 L not available without sunroof)
w/sunroof front / rear	37.4 in. 951 mm / 38.3 in. 974 mm
Shoulder room front / rear	59.1 in. 1500 mm / 57.5 in. 1460 mm
Leg room front / rear	41.3 in. 1049 mm / 42.3 in. 1075 mm
Interior volume front / rear	52.8 cu. ft. / 54.0 cu. ft. 106.8 = total interior cu. ft
Luggage Capacity	17.7 cu. ft. 500 liters

PERFORMANCE:	
	quattro all-wheel drive
	6-speed Tiptronic
0-50 mph (0-80kmh)	4.8 sec.
0-60 mph (0-100 km/h)	6.3 sec.
1/4 mile	14.2 sec.
Top speed	Top speed is electronically limited at 130 MPH (208 km/h)

FUEL ECONOMY: EPA estimate	
	quattro all-wheel drive
	6-speed Tiptronic
City	17 mpg
Highway	24 mpg
Combined	20 mpg

FUEL ECONOMY: Canadian Estimate	
	6-speed Tiptronic
City	13.5 liters/100km
Highway	8.9 liters/100km

Legend	A8 L 4.2
x = Standard o = Optional	quattro®
Technical	
• Newly redesigned aluminum alloy space frame and body panel construction	x
• 4.2 liter DOHC aluminum alloy 330 hp 90 degree V8 engine, 5-valves per cylinder, variable intake magnesium manifold with 2 intake paths, direct ignition system, roller camshaft followers, variable intake	x
• 6-speed automatic transmission with Tiptronic® and DSP (selects from over 200 shift programs to match driver's needs), hill detection capability and "Sport-mode" setting	x
• quattro - permanent all-wheel drive system, includes Torsen® torque sensing center differential	x
• Anti-lock brake system (ABS) with front and rear Electronic Differential Locks (EDL) and Electronic Brake-force Distribution (EBD)	x
• ESP - Electronic Stabilization Program	x
• CFC-free (ChloroFlouroCarbon) air conditioning refrigerant	x
Wheels / Tires / Suspension / Steering	
• 7-spoke 8J x 17 inch cast-alloy wheels with 235 / 55 R 17 all-season tires	x
• 5-spoke 8.5J x 18 inch polished alloy wheels with 255 / 45 R 18 all-season tires	o
• 12-spoke 8.5J x 19 inch polished alloy wheels with 255 / 40 R 19 performance tires	o
• Full size spare tire with alloy wheel	x
• Servotronic® - vehicle speed-sensitive power rack & pinion steering	x
• Leather covered 4-spoke steering wheel with audio controls (in dashboard color)	x
• Pneumatic air suspension at all four wheels	x
• Electrically adjustable tilt and telescopic steering wheel with automatic tilt-away for ease of entry and exit	x
• Heated steering wheel	o
Exterior	
• Body color outside mirrors; left side flat, right side convex	x
• Auto dimming outside rearview mirrors	x
• Dual pane laminated "acoustic" glass for all windows	o
• 5 MPH (Federal standard) bumpers, painted in body color	x
• Exterior chrome beltline trim	x
• Protective side moldings, chrome / body color combination	x
• Body color door handles	x
• Heatable windshield washer nozzles	x
• Metallic or pearl effect paint at no extra charge	x
• Nomenclature:	x
- Four rings on center rear of trunk lid	x
- "A8 L" on left rear of trunk lid	x
- "4.2" on right rear of trunk lid	x
- "quattro" on right rear of trunk lid	x
- Four rings in center of grille	x
- "quattro" on left side of front grille	x
• Tinted glass, dark tinted band around edge of windshield	x

Legend	A8 L 4.2
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Exterior Lighting	
• Xenon high intensity, low and high beam headlights with automatic self-leveling	x
• Two front fog lights located in lower front bumper	x
• Two rear fog lights in portion of taillights located on the decklid	x
• High pressure headlight washers, retractable, flush with bumper	x
• Red taillight lenses with red LED used as the turn signals	x
• "Puddle" lights in all four doors	x
• Front clear lenses w/amber turn lights, amber DRL lenses, and side markers w / amber bulbs	x
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	x
• Front and rear reading lights located in headliner	x
• White ambient LED lighting in headliner for front center console illumination	x
• Illumination for interior door release handles	x
• Front and rear footwell lights	x
• Illuminated glove box, trunk, lighter and ashtray	x
Comfort and Convenience	
• Fully automatic dual zone climate control system with "Rest" function (heater can operate when vehicle shut-off), dual sun sensors and smog sensor with activated charcoal filter	x
• Power glass sunroof with both tilt and slide functions, "pre-select" function, convenience closing system with pinch protection	x
• Solar sunroof	o
• Power windows with:	x
- power retention (until either front door open)	
- "one-touch down" for all four windows	
- "pinch protection" for all four windows (reverses window at force >100N)	
- "one touch up" for all four windows	
- driver controlled lock out switch for rear power windows	
• Electronic cruise control with coast, resume and speed-up features	x
• Dual power outside mirrors with defog feature	x
• Electrical rear window defogger with automatic timed shut off feature	x
• Power central locking system (doors, deck lid and fuel door), with selective unlocking (enables unlocking of a single door or all doors), plus:	x
- convenient close feature for windows & sunroof (functions by holding key in lock position)	
- master switch located in all doors	
- convenient open for windows (functions by holding key in unlock position)	
• Multi-function steering wheel with MMI controls	x
• Heated steering wheel	o
• Audi Navigation System w / large 7" color screen display (uses DVD technology)	x
• HomeLink® 3 channel remote transmitter located in headliner console	x
• Fuel tank release button in driver's door	x
• Trunk lid release button in driver's door	x

Legend	A8 L 4.2
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Comfort and Convenience (Continued)	
• Radio frequency remote locking system with selective unlock, remote trunk opening and panic function, remote also activates interior lights and alarm system.	x
• Folding ignition key with remote controls (including rear lid release)	x
• Power trunk lid "pull-down" for last 1 in. of trunk closing	x
• Right / left illuminated vanity mirrors in sunvisors (normal and magnified mirrors included)	x
• Four assist handles with slow retraction feature and integrated reading lights	x
• Heated door locks	x
• Manual sunshades for rear side windows	x
• 12 V power source in left side of trunk	x
• Electric sunshade for rear window	o
Seating	
• 16-way power front drivers and passenger seats with:	x
- 4-way lumbar adjustment	
- power head restraint adjustment	
- 4 memory positions for driver's seat, outside mirrors, head restraint height, steering wheel position and climate control settings	
- shoulder angle adjustment for top half of seatback	
• Heated front and rear seats (Heated front seats standard in Canada)	o
• Electrical front seat belt height adjustment	x
• Front seat back map pockets	x
• Front and rear door storage pockets	x
• Dual front center armrests, folding and height adjustable with storage capability	x
• Fold down rear center armrest	x
• 3 adjustable head restraints for rear seat	x
• Concealable center rear headrest	x
• Alcantara door inserts in all doors	x
• Power lumbar adjustment for rear outboard positions	o
Interior	
• Valcona leather seat upholstery	x
• Leather shift knob	x
• Full length center console with:	x
- forward storage bin	
- adjustable rear passenger air vents and rear seat heater controls	
- rear power outlet	
- storage area under front center armrests	
• Heat vents to rear seat under the front seats, on B-pillar and in rear center console	x
• Polished burled walnut, polished sycamore (Vavona), or beige birch wood inlays in instrument panel, center console and door panels	x
• Luggage net in trunk	x
• Front and rear floor mats	x
• Expandable ski sack	o
• Dual cupholders in front center console	x

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Instrumentation and Electrical Equipment	
• Backlit electro-luminescent instrument cluster with automatic brightness control including: - tachometer, electric speedometer, fuel gauge, coolant temperature gauge - digital clock with date - digital odometer and trip odometer	x
• Digital odometer with service interval indicator	x
• Driver information display including: - 8-color LCD - outside temperature display plus 5-function trip computer - radio display - active Auto Check system with speed warning device - pictogram display for open door and deck lid	x
• Anti-theft alarm system	x
• Windshield wipers with 4-position adjustable intermittent interval rate	x
• MMI (Multi-Media-Interface) 7" color screen and controls in center console with 6-disc CD-player in glove box	x
• Bose® 12-speaker premium Surround-Sound system with subwoofer and AudioPilot noise cancellation technology	x
• Electronically dimming inside rearview mirror	x
• Diversified (four) antenna in rear window	x
• Integrated digital portable phone with voice recognition	o
• OnStar® Telematics hardware with 1 year service and phone preparation	x
Safety	
• Driver and front passenger next gen. airbags w/ dual-stage dual threshold deployment	x
• Front and rear (four) side airbags for front and rear outboard occupants	x
• Inflatable SIDEGUARD™ curtain airbags	x
• Front knee airbags for driver and front passenger seats	x
• Front 3-point safety belts with automatic pretensioning, height adjustable upper mounts and belt force limiter	x
• Three rear 3-point safety belts with automatic pretensioning and angle adjustment	x
• Front passenger side, and rear safety belts with Convertible Locking Retractor (ALR and ELR modes)	x
• Rear child seat tether anchors	x
• Child-safety rear door locks	x
• Central locking system with safety unlock feature (unlocks doors and turns on interior lights if airbag deploys)	x
• Red lighting in rear of all doors when open	x
• First-aid kit in rear center armrest	x
• Immobilizer III transponder system	x
• Emergency warning triangle located in rear deck lid	x
• Tilt sensor alarm disable switch at rear of driver's door	x
• Electro-Mechanical parking brake lever	x
• Front and rear Parktronic™ Acoustic Parking System	o
• Trunk release handle in trunk interior	x
• Tire pressure monitoring system (delayed entry)	o

**2004 Audi A8 L Sedan
Option Program**



Legend	A8 L
x = included in package o = Optional	4.2 quattro®
Optional Equipment	
• Convenience package	o
Front Seat Ventilation (or telephone buttons when Telematics ordered)	x
Rear Seat Vanity Mirrors	x
Tire Pressure Monitoring System	x
Power trunk open / close	x
Electric Rear Sunshade	x
• Cold Weather package	o
Heated front and rear seats, adjustable in 6 steps (Front heated seats standard in Canada)	x
Heated Steering Wheel	x
Ski sack	x
• Separate options	
18" wheel with all-season tires	o
19" wheel with performance tires	o
Solar sunroof	o
Acoustic Parking	o
• Separate options "Sold Orders Only" (Items can be ordered only on sold orders)	
Dual-paned security glass	o
Front seat massage	o
Rear seat electric lumbar	o
Dual rear seat climate control	o
Door armrest in leather + center console w / premium stitching	o
Alcantara package	o
Adaptive cruise control	o
Warranty Information	
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.	
"Tiptronic" is a registered trademark of Dr. Ing. h. c. F. Porsche AG.	
"Torsen" is a registered trademark of Zexel-Gleason USA, Inc.	
"HomeLink" is a registered trademark of Johnson Controls, Inc.	
"Bose" is a registered trademark of the Bose Corporation.	
"Parktronic" is registered trademark of Audi AG.	
"OnStar" is a registered trademark of General Motors Corporation.	
"SIDEGUARD" is a registered trademark of Audi AG.	
"Servotronic" is a registered trademark of AM General Corporation..	



Retail Prices
 Audi of America, Inc.
 Effective: 1-January-04
 Revised: 1-January-04



2004 Audi A8 L

Order Code	Model	Body Style	Transmission	Drivetrain	Suggested Retail
4E851L	A8 L 4.2	Sedan	6-Spd Automatic Tip.	quattro	\$ 68,500
				<u>4.2</u>	
	Leather Upholstery			S	NC
PAW	<u>Cold Weather Package</u> Heated Front and Rear Seats Heated Steering Wheel Ski Sack			O	1,100
WPD	<u>Convenience Package</u> Front Seat Ventilation Electric Rear Sunshade Rear Vanity Mirrors Tire Pressure Monitoring System Power Trunk Open/Close			O	2,500
3FR	Sunroof Solar Panel (Replaces Glass Panel)			O	650
7X2	Front and Rear Parktronic®			O	700
PRL	18" 5-Spoke Wheels w/ All-Season Tires			O	1,150
PRQ	19" 12-Spoke Wheels w/ Performance Tires			O	1,900
	California / Northeast Emissions (Effective 1-1-04) (States included: Cal, NY, Maine, VT, Mass, RI, CT, and NH)			O	150
<u>SOLD ORDERS ONLY</u>					
8T4	Adaptive Cruise Control			O	2,100
PDE	Dual-Paned Security Glass			O	600
WME	Front Seat Massage			O	750
7P3	Rear Seat Electric Lumbar			O	350
9AU	Dual Rear Seat Climate Control			O	600
7HB	Door Armrest in Leather / Center Console w/Premium Stitching			O	750
PL7	Alcantara Package			O	1,500
<u>PORT INSTALLED OPTIONS</u>					
AWL	Security Wheel Locks			O	129
ACD	Phone Cradle			O	180
	Destination Charge				720

Key:

O = Optional
S = Standard
M = Mandatory

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 2004 MY Prices