

## 2003 Audi A4 Avant Technical Specifications







#### Technical Specifications - 2003 Audi A4 1.8 T Avant

Engine				
Туре	Inline 4-cylinder with exhaust gas turbocharger and	Inline 4-cylinder with exhaust gas turbocharger and charge-air intercooling, DOHC		
Arrangement	Front mounted, longitudinal	4		
Bore				
	3.18 in. (81 mm)			
Stroke	3.40 in. (86.4 mm)			
Displacement	109 cu. in. (1781 cc)			
Compression ratio	9.3:1			
uel requirements	Regular unleaded (87 AKI), Premium unleaded (91 A	AKI) recommended for maximum performance		
Horsepower	170 hp @ 5900 rpm			
Max. Torque	166 lbs/ft @ 1950 - 5000 rpm			
Engine Design		di A4 1.8 T Avant		
Cylinder block	Cast iron			
 Crankshaft	Forged steel, 4 main bearings			
Cylinder head	Aluminum alloy			
, Valve train / intake	, Intake camshaft adjustment, DOHC belt driven, hyd	raulic lifters		
-iring order	1 - 3 - 4 - 2			
Cooling system	Water-cooled, thermostatically controlled radiator fa			
Lubrication system	Gear pump, pressurized, full flow with oil cooler			
Fuel injection / Ignition system	enrichment, overrun fuel cut-off, adaptive lambda c	Fully electronic engine management, 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, adaptive knock control, air-mass measurement, integrated boost pressure control		
Emission system	Dual 3-way catalytic converters w/ individual oxyge	n sensors		
Electrical System				
Battery	12 volts 80 amp/hr			
Alternator	14 volts 120 amp			
Drivetrains				
Transmissions	5-speed manual 5-speed automatic with Tiptronic®			
Туре	quattro			
	Manual 5-speed	Automatic 5-speed w/ Tiptronic®		
Gear ratios: 1st	3.778:1	3.665:1		
2nd	2.176:1	1.999:1		
3rd	1.429:1	1.407:1		
4th	1.091:1	1.000:1		
5th	0.838:1	0.742:1		
Final Drive	3.889:1	3.730:1		
Front Differential	Hypoid gear electronically locking (EDL)	Hypoid gear electronically locking (EDL)		
Center Differential	TORSEN® (TORque SENsing) differential providing automatic and variable front to rear power proportioning	TORSEN® (TORque SENsing) differential providing automatic and variable front to rear power proportionin		
Rear Differential	Hypoid gear electronically locking (EDL)	Hypoid gear electronically locking (EDL)		



Technical Specifications - 2003 Audi A4 1.8 T Avant

Suspension		2003 Audi A4 1.8	
Front	Four link, upper and lower co	Four link, upper and lower control arms, stabilizer bar, coil spring/shock absorbers (gas charged)	
Rear	Fully independent, trapezoida (gas charged)	Fully independent, trapezoidal-link rear suspension, stabilizer bar, separate coil springs and shock absorbers (gas charged)	
Steering			T Avant
Туре	Maintenance-free rack-and-p	inion steering with power assist	
Ratio	16.3:1		1
Turns (lock-to-lock)	n.a.		
Turning circle (curb-to-curb)	36.4 ft. (11.1 m)		
Brakes			
Service brake		h diagonal split, Anti-lock Brake Syste rogram (ESP); tandem brake booster	em (ABS), Electronic Brake Distribution (EBD)
Front, size and type	11.3 in. (288x25 mm)	- Ventilated disc / FN3 - 57	/
Rear, size and type	9.6 in. (245x10 mm)	- Solid disc / C38 HR	
Parking brake	Mechanically actuated at the	rear wheels	
Wheels	Standard (C1W)	Optional 16" (CA1)	Optional 17" (CD0)
Size	7J x 15	7J x 16	7.5J x 17
Offset	39 mm	42 mm	45 mm
Weight	6,900 g / 15 lbs	9,600 g / 21 lbs	12,000 g / 26 lbs
Туре	Lightweight alloy	Cast alloy	Cast alloy
Tires	Standard (H3Z)	Optional 16" (H9P)	Optional 17" (H8A)+
Size	205 / 65	215 / 55	235 / 45
Speed rating	Н	н	Y
Construction	Radial	Radial	Radial
Load Index	91	91	94
Brand / Type (all approved)	Pirelli P6 Four Seasons	Pirelli P6 Four Seasons Michelin MXM4	Dunlop SP 9090 Michelin Pilot Primacy Conti Sport Contact 2
Body			
Material	Unitized steel structure with	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			
Engine oil	4.2 qt. (4 liter)		
Fuel tank	17.4 gal. (66 liter)	11	
Cooling system	6.9 qt. (6.5 liter)		



### Technical Specifications - 2003 Audi A4 1.8 T Avant

#### Wheelbase 104.3 in. 2650 mm Track: front / rear 60.2 in. 1528 mm / 60.1 in. 1526 mm Overall length 179.0 in. 4544 mm Overall width / with mirrors 69.5 in. 1764 mm / 76.3 in. 1937 mm Height (unloaded) 56.2 in. 1428 mm Height w/ roof rail (unloaded) 57.2 in. 1453 mm Ground clearance (loaded) 4.2 in. 106 mm Curb weight: man. / auto. 3516 lbs. 1595 kg / 3660 lbs. 1660 kg Distribution: % front / rear 56/44 57 / 43

### Interior Dimensions (SAE measurements)

2003 Audi A4 1.8 T Avant

Seating Capacity	5
EPA class	Small station wagon
Head room front / rear	38.4 in. 976 mm / 37.6 in. 956 mm
Shoulder room front / rear	55.1 in. 1400 mm / 53.43 in. 1357 mm
Interior volume front / rear	50.7 cu. ft. / 40.1 cu. ft.   49.2 cu. ft. / 39.5 cu. ft. (with sunroof)
Luggage Capacity	27.8 cu. ft.

Performance			
I CHOIManee	Manual 5-speed	Tiptronic <sup>®</sup>	
0-50 mph (0-80 km/h)	5.9 sec.	6.6 sec.	
0-60 mph (0-100 km/h)	8.1 sec.	8.7 sec.	
.25 mile (.40 km)	16.5 sec.	17.1 sec.	
Top speed	Top speed is electronically limited at 130 mph (209 km/h) ++		

Fuel Economy: EPA estimate***	Manual 5-speed	<b>Tiptronic</b> ®
City	21 mpg	19 mpg
Highway	29 mpg	28 mpg
Combined	24 mpg	22 mpg

Fuel Economy: Canadian estimate***	Manual 5-speed	Tiptronic <sup>®</sup>
City	11.3 liters / 100 km	12.2 liters / 100 km
Highway	7.5 liters / 100 km	7.7 liters / 100 km



#### Technical Specifications - 2003 Audi A4 1.8 T Avant

		P ~		
Engine		li A4 1.8 T Avant		
Туре	Inline 4-cylinder with exhaust gas turbocharger and	Inline 4-cylinder with exhaust gas turbocharger and charge-air intercooling, DOHC		
Arrangement	Front mounted, longitudinal	1		
Bore	3.18 in. (81 mm)	3.18 in. (81 mm)		
Stroke	3.40 in. (86.4 mm)			
Displacement	109 cu. in. (1781 cc)			
Compression ratio	9.3:1			
uel requirements	Regular unleaded (87 AKI), Premium unleaded (91 A	AKI) recommended for maximum performance		
lorsepower	170 hp @ 5900 rpm			
Max. Torque	166 lbs/ft @ 1950 - 5000 rpm			
Engine Design				
Cylinder block	Cast iron			
Crankshaft	Forged steel, 4 main bearings			
Cylinder head	Aluminum alloy			
Valve train / intake	Intake camshaft adjustment, DOHC belt driven, hyd	raulic lifters		
Firing order	1 - 3 - 4 - 2			
Cooling system	Water-cooled, thermostatically controlled radiator fa	Water-cooled, thermostatically controlled radiator fan		
Lubrication system	Gear pump, pressurized, full flow with oil cooler	Gear pump, pressurized, full flow with oil cooler		
Fuel injection / Ignition system	enrichment, overrun fuel cut-off, adaptive lambda c	Fully electronic engine management, 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, adaptive knock control, air-mass measurement, integrated boost pressure control		
Emission system	Dual 3-way catalytic converters w/ individual oxyge	n sensors		
Electrical System				
Battery	12 volts 80 amp/hr			
Alternator	14 volts 120 amp			
Drivetrains				
Transmissions	5-speed manual 5-speed automatic with Tiptronic®			
Туре	quattro	and the state of the		
	dua			
	Manual 5-speed	Automatic 5-speed w/ Tiptronic®		
Gear ratios: 1st	3.778:1	3.665:1		
2nd	2.176:1	1.999:1		
3rd	1.429:1	1.407:1		
4th	1.091:1	1.000:1		
5th	0.838:1	0.742:1		
Final Drive	3.889:1	3.730:1		
Front Differential	Hypoid gear, electronically locking (EDL)	Hypoid gear, electronically locking (EDL)		
Center Differential	TORSEN® (TORque SENsing) differential providing automatic and variable front to rear power proportioning	TORSEN® (TORque SENsing) differential providing automatic and variable front to rear power proportionin		
Rear Differential	Hypoid gear electronically locking (EDL)	Hypoid gear, electronically locking (EDL)		



Technical Specifications - 2003 Audi A4 3.0 Avant

zer bar, coil spring/shock absorbers (gas charged)	
Four link, upper and lower control arms, stabilizer bar, coil spring/shock absorbers (gas charged)	
Fully independent, trapezoidal-link rear suspension, stabilizer bar, separate coil springs and shock absorbers (gas charged)	
udi A4 3.0 Avant	
n power assist	
nti-lock Brake System (ABS), Electronic Brake pressure Program (ESP); tandem brake booster	
lisc / FN3 - 57	
/ C38 HR	
Optional 17" (CD0)	
7.5J x 17	
45 mm	
12,000 g / 26 lbs.	
Cast alloy	
Optional 17" (H8A)+	
235 / 45	
Y	
Radial	
94	
Pirelli P6 Four Seasons Dunlop SP 9090   Michelin MXM4 Michelin Pilot Primacy   Conti Sport Contact 2	
Unitized steel structure with integrated aluminum and magnesium components	
ed. (12-year limited warranty against corrosion perforation)	
5.8 qt. (5.5 liter)	
17.4 gal. (66 liter)	





14.3 in. 2650 mm		
0.2 in. 1528 mm / 60.1 in. 1526 mm		
9.0 in. 4544 mm		
9.5 in. 1764 mm / 76.3 in. 1937 mm		
.2 in. 1428 mm		
.2 in. 1453 mm		
2 in. 106 mm		
93 lbs. 1675 kg 3737 lbs. 1695 kg		
0 / 41 58 / 42		

#### Interior Dimensions (SAE measurements)

2003 Audi A4 3.0 Avan

Seating Capacity	5	
EPA class	Small station wagon	
Head room front / rear	38.4 in. 976 mm /	37.6 in. 956 mm
Shoulder room front / rear	55.1 in. 1400 mm /	53.4 in. 1357 mm
Interior volume front / rear	50.7 cu. ft. / 40.1 cu. ft.	49.2 cu. ft. / 39.5 cu. ft. (with sunroof)
Luggage Capacity	27.8 cu. ft.	
Performance	quatt Manual 6-speed	ro® Tiptronic®
0-50 mph (0-80 km/h)	5.3 sec.	6.0 sec.
0-60 mph (0-100 km/h)	7.1 sec.	7.9 sec.
.25 mile (.40 km)	15.5 sec.	16.1 sec.
Top speed	Top speed is electronicall	y limited at 130 mph (209 km/h)++
Fuel Economy: EPA estimate***	quatt Manual 6-speed	ro® Tiptronic®
City	18 mpg	17 mpg
Highway	25 mpg	25 mpg
Combined	20 mpg	20 mpg
Fuel Economy: Canadian estimate <sup>+++</sup>	Manual 6-speed	ro® Tiptronic®
City	13.4 liters / 100 km	13.5 liters / 100 km
Highway	8.7 liters / 100 km	8.5 liters / 100 km

+ These tires are designed for optimum performance and handling in warm climates. They are not suitable for cold, snowy, or icy weather conditions. If you drive under those circumstances, you should equip your vehicle with all-season or winter tires, which offer better traction under those conditions. We suggest you use the recommended winter or all season tire specified for your car or its equivalent. These high-performance tires also have a lower aspect ratio that aids performance and handling; however, in order to avoid tire, rim, or vehicle damage, it is important that the inflation pressure is regularly checked and maintained at recommended levels. Please also remember in making your selection that, while these tires deliver responsive handling, they may ride less comfortably and make more noise than other choices. Finally, these tires may wear more quickly than other choices. For further information on all these topics, please consult the owner's manual, your local dealer or call 1-800-FOR-AUDI.

<sup>++</sup> Maximum speed electronically limited to 130 mph in U.S. (209 kmh in Canada). Obey all speed and traffic laws.

+++ Your mileage may vary.

Audi of America, Inc. believes the specifications in this data sheet to be correct at the time of publishing. See your dealer for complete details.