

**2005 Audi A4 Sedan**  
**1.8T Technical Specifications**



2005 Audi A4 1.8T Sedan

Technical Specifications		2005 Audi A4 1.8T Sedan	
<b>ENGINE:</b>			
Type	Inline 4-cylinder with exhaust gas turbocharger and charge-air intercooling, DOHC		
Arrangement	Front mounted, longitudinal		
Bore	3.18 in.	81 mm	
Stroke	3.40 in.	86.4 mm	
Displacement	109 cu. in.	1781 cc	
Compression ratio	9.3:1		
Fuel requirement	Premium unleaded 91 AKI / 95 RON recommended for maximum performance		
Horsepower (SAE)	170 hp	@ 5900 rpm	
Max. Torque	166 lbs. ft.	@ 1950 - 5000 rpm	
<b>ENGINE DESIGN:</b>			
Cylinder block	Cast iron		
Crankshaft	Forged steel, 4 main bearings		
Cylinder head	Aluminum alloy		
Valve train / intake	Intake camshaft adjustment, DOHC belt driven, hydraulic lifters		
Firing order	1 - 3 - 4 - 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, 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 oxygen sensors		
<b>ELECTRICAL SYSTEM:</b>			
Battery	12 volts	80 amp/hr	
Alternator	14 volts	120 amp	
<b>DRIVETRAIN:</b>			
Transmissions	<ul style="list-style-type: none"> <li>• 5-speed manual transmission for front-wheel drive</li> <li>• 6-speed manual transmission for quattro</li> <li>• Audi multitronic® Continuously Variable Transmission (CVT)</li> <li>• 5-speed automatic with Tiptronic®</li> </ul>		
Type	Front-wheel drive		quattro
	Manual 5-speed	multitronic®	Manual 6-speed Automatic 5-speed w/ Tiptronic®
Gear ratios: 1st	3.778:1	2.400:1	3.665:1
2nd	2.176:1	-	1.999:1
3rd	1.429:1	-	1.407:1
4th	1.091:1	-	Data not yet available 1.000:1
5th	0.865:1	-	0.742:1
Final Drive	3.700:1	4.778:1	3.091:1
Front Differential	Hypoid gear, electronically locking (EDL)		
Center Differential	TORSSEN® (TORque SENSing) differential providing automatic and variable front to rear power proportioning		
Rear Differential	Hypoid gear, electronically locking (EDL)		
<b>STEERING:</b>			
Type	Maintenance-free rack-and-pinion steering with power assist		
Ratio	16.3:1		
Turns (lock-to-lock)	n.a.		
Turning circle (curb-to-curb)	36.4 ft.	11.1 m	
<b>SUSPENSION:</b>			
Front	Four link, upper and lower control arms, stabilizer bar, coil spring/shock absorbers (gas charged)		
Rear (FrontTrak)	Fully independent, trapezoidal link rear suspension, stabilizer bar, separate coil spring and shock absorbers (gas charged)		
Rear (quattro)	Fully independent, trapezoidal link rear suspension, stabilizer bar, separate coil springs and shock absorbers (gas charged)		
<b>BRAKES:</b>			
Service brake	Dual circuit brake system with diagonal split, Anti-lock Brake System (ABS), Electronic Brake pressure Distribution (EBD) and Electronic Stabilization Program (ESP); tandem brake booster		
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		

**2005 Audi A4 Sedan  
1.8T Technical Specifications**



Technical Specifications (continued)		2005 Audi A4 1.8 T Sedan				
<b>WHEELS:</b>	<b>Optional 16" (CA1)</b>	<b>Optional 17" (C1X)</b>				
Size	7J x 16	7.5J x 17				
Offset	42 mm	45 mm				
Weight	9,600 g / 21 lbs	11,800 g / 26 lbs				
Type	Cast alloy	Cast alloy				
<b>TIRES:</b>	<b>Optional 16" (H9P)</b>	<b>Optional 17" (H8A) or (HG6)</b>				
Size	215 / 55	235 / 45				
Speed rating	H	Y or H				
Construction	Radial	Radial				
Load Index	91	94				
Brand / Type (all approved)	Pirelli P6 Four Seasons	Dunlop SP 9090 (Performance)				
	Michelin MXM4	Michelin Pilot Primacy (Performance)				
	-	Conti Sport Contact 2 (Performance)				
<b>BODY:</b>						
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)					
<b>CAPACITIES:</b>						
	<b>Front wheel drive</b>			<b>quattro</b>		
Engine oil	4.2 qt.	4 liter		4.2 qt.	4 liter	
Fuel tank	18.5 gal.	70 liter		17.4 gal.	66 liter	
Cooling system	6.9 qt.	6.5 liter		6.9 qt.	6.5 liter	
<b>EXTERIOR DIMENSIONS:</b>						
	<b>Front wheel drive</b>			<b>quattro</b>		
Wheelbase	104.3 in.	2650 mm		104.3 in.	2650 mm	
Track: front / rear	60.2 in.	1528 mm	/ 60.1 in.	1526 mm	60.2 in.	1528 mm / 60.1 in.
Overall length	179.0 in.	4547 mm			179.0 in.	4547 mm
Overall width / with mirrors	69.5 in.	1766 mm	/ 76.3 in.	1937 mm	69.5 in.	1766 mm / 76.3 in.
Height (unloaded)	56.2 in.	1428 mm			56.2 in.	1428 mm
Ground clearance (loaded)	4.2 in.	106 mm			4.2 in.	106 mm
Curb weight: man. / auto.	3252 lbs.	1475 kg	/ 3362 in.	1525 kg	3406 lbs.	1545 kg / 3550 lbs.
Distribution: % front / rear	60 / 40		60 / 40		58 / 42	59 / 41
Drag coefficient: Front / quattro	Cw = 0.30 / 0.31 Frontal Area = 2.14 sq.m.					
<b>INTERIOR DIMENSIONS (SAE measurements):</b>						
Seating Capacity	5					
EPA class	Compact					
Head room front / rear	38.4 in.	976 mm	/ 37.24 in.	946 mm		
w/sunroof front / rear	37.3 in.	948 mm	/ 37.09 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		
Interior volume front / rear	50.7 cu. ft.		/ 39.4 cu. ft.		103.5 = total of cu. ft (including trunk volume)	
Luggage Capacity	13.4 cu. ft.					
<b>PERFORMANCE:</b>						
	<b>Front wheel drive</b>			<b>quattro</b>		
	<b>Manual 5-speed</b>	<b>multitronic®</b>		<b>Manual 6-speed</b>	<b>Automatic</b>	
0-50 mph (0-80kmh)	5.8 sec.	5.8 sec.		6.1 sec.	6.4 sec.	
0-60 mph (0-100 km/h)	7.8 sec.	7.8 sec.		8.1 sec.	8.5 sec.	
1/4 mile	16.2 sec.	15.9 sec.		16.2 sec.	16.7 sec.	
Top speed	Top speed is electronically limited at 130 MPH (208 km/h)					
<b>FUEL ECONOMY:</b>	EPA estimate					
	<b>Front wheel drive</b>			<b>quattro</b>		
	<b>Manual 5-speed</b>	<b>multitronic®</b>		<b>Manual 6-speed</b>	<b>Automatic</b>	
City	22 mpg	23 mpg		21 mpg	20 mpg	
Highway	31 mpg	29 mpg		30 mpg	28 mpg	
Combined	25 mpg	25 mpg		24 mpg	23 mpg	
<b>FUEL ECONOMY:</b>	Canadian Estimate					
	<b>Manual 5-speed</b>	<b>multitronic®</b>		<b>Manual 5-speed</b>	<b>Automatic</b>	
City	liters/100km	10.2 liters/100km		11.2 liters/100km	11.7 liters/100km	
Highway	liters/100km	7.3 liters/100km		7.2 liters/100km	7.6 liters/100km	

**2005 Audi A4 Sedan**  
**3.0 Technical Specifications**



Technical Specifications		2005 Audi A4 3.0 Sedan	
<b>ENGINE:</b>			
Type	Aluminum, 90 degree V6 with variable intake manifold, continuous camshaft adjustment, balance shaft, DOHC		
Arrangement	Front mounted, longitudinal		
Bore	3.25 in.	82.5 mm	
Stroke	3.65 in.	92.8 mm	
Displacement	182 cu. in.	2976 cc	
Compression ratio	10.1 : 1		
Fuel requirement	Premium unleaded 91 AKI / 95 RON recommended for maximum performance		
Horsepower (SAE)	220 hp @ 6300 rpm		
Torque	221 lbs. ft. @ 3200 rpm		
<b>ENGINE DESIGN:</b>			
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		
Firing order	1 - 4 - 3 - 6 - 4 - 5		
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® 7.1.1., 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		
<b>ELECTRICAL SYSTEM:</b>			
Battery	12 volts	80 amp/hr	
Alternator	14 volts	120 amp	
<b>DRIVETRAIN:</b>			
Transmissions	<ul style="list-style-type: none"> <li>6-speed manual transmission</li> <li>Audi multitronic® Continuously Variable Transmission (CVT)</li> <li>5-speed automatic with Tiptronic®</li> </ul>		
Type	<b>Front-wheel drive</b>		<b>quattro</b>
	<b>multitronic®</b>		<b>Automatic 5-speed w/ Tiptronic®</b>
Gear ratios:	1st	2.400:1	3.500:1
	2nd	-	1.889:1
	3rd	-	1.320:1
	4th	-	1.034:1
	5th	-	0.857:1
	6th	-	0.730:1
	Final Drive	4.778:1	4.111:1
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
Rear Differential	-		Hypoid gear, electronically locking (EDL)
<b>STEERING:</b>			
Type	Maintenance-free rack-and-pinion steering with power assist		
Ratio	16.3:1		
Turns (lock-to-lock)	n.a.		
Turning circle (curb-to-curb)	36.4 ft.	11.1 m	
<b>SUSPENSION:</b>			
Front	Four link, upper and lower control arms, stabilizer bar, coil spring/shock absorbers (gas charged)		
Rear (FrontTrak)	Fully independent, trapezoidal link rear suspension, stabilizer bar, separate coil spring and shock absorbers (gas charged)		
Rear (quattro)	Fully independent, trapezoidal link rear suspension, stabilizer bar, separate coil springs and shock absorbers (gas charged)		
<b>BRAKES:</b>			
Service brake	Dual circuit brake system with diagonal split, Anti-lock Brake System (ABS), Electronic Brake pressure Distribution (EBD) and Electronic Stabilization Program (ESP); tandem brake booster		
Front, size and type	12.3 in.	312x25 mm	- Ventilated disc / FN3 - 57
Rear, size and type	10 in.	255x12 mm	- Solid disc / C38 HR
Parking brake	Mechanically actuated at the rear wheels		

**2005 Audi A4 Sedan**  
**3.0 Technical Specifications**



Technical Specifications (continued)		2005 Audi A4 3.0 Sedan			
<b>WHEELS:</b>	<b>Standard 16" (C2F)</b>	<b>Optional 17" (C1X)</b>			
Size	7J x 16	7.5J x 17			
Offset	42 mm	45 mm			
Weight	10,000 g / 22 lbs	11,800 g / 26 lbs			
Type	Cast alloy	Cast alloy			
<b>TIRES:</b>	<b>Standard 16" (H9P)</b>	<b>Optional 17" (H8A) or (HG6)</b>			
Size	215 / 55	235 / 45			
Speed rating	H	Y or H			
Construction	Radial	Radial			
Load Index	91	94			
Brand / Type (all approved)	Pirelli P6 Four Seasons	Dunlop SP 9090 (Performance)			
	Michelin MXM4	Michelin Pilot Primacy (Performance)			
	-	Conti Sport Contact 2 (Performance)			
<b>BODY:</b>					
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)				
<b>CAPACITIES:</b>					
	<b>Front wheel drive</b>			<b>quattro</b>	
Engine oil	5.8 qt.	5.5 liter		5.8 qt.	5.5 liter
Fuel tank	18.5 gal.	70 liter		17.4 gal.	66 liter
Cooling system	9.5 qt.	9 liter		9.5 qt.	9 liter
<b>EXTERIOR DIMENSIONS:</b>					
	<b>Front wheel drive</b>			<b>quattro</b>	
Wheelbase	104.3 in.	2650 mm		104.3 in.	2650 mm
Track: front / rear	60.2 in.	1528 mm	/ 60.1 in.	1526 mm	60.2 in.
Overall length	179.0 in.	4547 mm		179.0 in.	4547 mm
Overall width / with mirrors	69.5 in.	1766 mm	/ 76.3 in.	1937 mm	69.5 in.
Height (unloaded)	56.2 in.	1428 mm		56.2 in.	1428 mm
Ground clearance (loaded)	4.2 in.	106 mm		4.2 in.	106 mm
Curb weight man. / auto.	-	-	/ 3462 lbs.	1570 kg	3583 lbs.
Distribution % front / rear	61/39			58 / 42	59 / 41
Drag coefficient	Cw = 0.31 Frontal Area = 2.18 sq. m.				
<b>INTERIOR DIMENSIONS (SAE measurements):</b>					
Seating Capacity	5				
EPA class	Compact				
Head room front / rear	38.4 in.	976 mm	/ 37.24 in.	946 mm	
w/sunroof front / rear	37.3 in.	948 mm	/ 37.09 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	
Interior volume front / rear	50.7 cu. ft.		/ 39.4 cu. ft.		103.5 = total of cu. ft (including trunk volume)
Luggage Capacity	13.4 cu. ft.				
<b>PERFORMANCE:</b>					
	<b>Front wheel drive</b>			<b>quattro</b>	
	<b>multitronic®</b>			<b>Manual 6-speed</b>	<b>Automatic</b>
0-50 mph (0-80kmh)	5.1 sec.			5.2 sec.	5.8 sec.
0-60 mph (0-100 km/h)	6.9 sec.			6.9 sec.	7.7 sec.
1/4 mile	15.1 sec.			15.2 sec.	15.7 sec.
Top speed	Top speed is electronically limited at 130 MPH (208 km/h)				
<b>FUEL ECONOMY:</b>	EPA estimate				
	<b>Front wheel drive</b>			<b>quattro</b>	
	<b>multitronic®</b>			<b>Manual 6-speed</b>	<b>Automatic</b>
City	20 mpg			17 mpg	18 mpg
Highway	28 mpg			26 mpg	25 mpg
Combined	23 mpg			21 mpg	21 mpg
<b>FUEL ECONOMY:</b>	Canadian Estimate				
	<b>multitronic®</b>			<b>Manual 6-speed</b>	<b>Automatic</b>
City	11.5 liters/100km			13.5 liters/100km	12.8 liters/100km
Highway	8.1 liters/100km			8.7 liters/100km	8.4 liters/100km