



Technical Specifications		2006 Audi A4 2.0T Avant	
ENGINE:			
Type	Inline 4-cylinder spark-ignition engine with gasoline direct injection, exhaust turbo-charger with intercooler, 4 valves/cylinder, DOHC		
Arrangement	Front mounted, longitudinal		
Bore	3.25 in.	82.5 mm	
Stroke	3.65 in.	92.8 mm	
Displacement	121.06 cu. in.	1984 cc	
Compression ratio	10.5 : 1		
Fuel requirement	Premium unleaded 91 AKI / 95 RON recommended for maximum performance		
Horsepower (SAE)	200 hp	@ 5100-6000	rpm
Max. Torque	207 lbs. ft.	@ 1800-5000	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, hydraulic lifters		
Cooling system	Water-cooled, thermostatically controlled radiator fan		
Lubrication system	Gear pump, pressurized, full flow with oil cooler		
Fuel injection / Ignition system	<p>-The fuel is injected via a common rail system supplied by a demand-controlled high-pressure pump. The fuel is injected directly into the combustion chamber via an injector positioned at one side between the inlet valves.</p> <p>-The fuel-air mixture is distributed purely homogeneously within the combustion chamber. This provides a distinctive characteristic, placing the emphasis on high performance and agile responsiveness at all engine speeds.</p> <p>-The four-valve cylinder head with low-friction roller cam follower drive has a modified inlet duct geometry that produces even higher tumble values than the naturally-aspirated FSI engine. This results not only in greater refinement, but also in superior knock resistance and therefore efficiency.</p>		
Emission system	Dual 3-way catalytic converters w/individual oxygen sensors		
ELECTRICAL SYSTEM:			
Battery	12 volts	80 amp/hr	
Alternator	14 volts	120 amp	
DRIVETRAIN:			
Transmissions	6-speed manual transmission (quattro) 6-speed automatic with Tiptronic® (quattro)		
Type	quattro		
		Manual 6-speed	Automatic 6-speed w/ Tiptronic®
Gear ratios:	1st	3.667:1	4.171:1
	2nd	2.053:1	2.340:1
	3rd	1.423:1	1.521:1
	4th	1.065:1	1.143:1
	5th	0.853:1	0.867:1
	6th	0.730:1	0.691:1
	Final Drive	3.889:1	3.539:1
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 electronic power assist		
Ratio	16.3:1		
Turns (lock-to-lock)	n.a.		
Turning circle (curb-to-curb)	36.4 ft.	11.1 m	
SUSPENSION:			
Front	Four-link front suspension, upper and lower wishbones, tubular anti-roll bar		
Rear	Independent-wheel, trapezoidal-link rear suspension with resiliently mounted subframe, anti-roll bar		
BRAKES:			
Service brake	Dual circuit brake system with diagonal split, Anti-lock Brake System (ABS), Electronic Brake pressure Distribution (EBD) and Electronic Stabilization Program, upgraded version 8.0 (ESP) with brake disc wiping feature; tandem brake booster		
Front, size and type	12.6 in.	320x30 mm	- Ventilated disc / ContiTeves FNRG-60
Rear, size and type	11.3 in.	288x12 mm	- Solid disc / TRW CII-41
Parking brake	Mechanically actuated at the rear wheels		

A4 2.0T FSI Avant Specifications



Technical Specifications (continued)		2006 Audi A4 2.0T Avant			
WHEELS:		Standard 16" (C2F)	Optional 17" (C8F)		S line 18" (CH9)
Size	7J x 16	7.5J x 17	8J x 18		
Offset	42 mm	45 mm	43 mm		
Weight	n/a	n/a	n/a		
Type	Cast alloy 5 wedge spoke	Cast alloy 5 double spoke	Cast alloy 5-arm quattro GmbH		
TIRES:					
Size	225 / 55 R16	235 / 45 R17	235 / 40 R18		
Speed rating	H	H (all-season)	Y (high performance)		
Construction	Radial	Radial	Radial		
Load Index	n/a	94	n/a		
Brand / Type (all approved)	<i>Michelin Pilot HX MXM4</i> <i>Continental Pro Contact</i>	<i>Michelin Pilot Primacy (performance)</i> <i>Conti Sport Contact 2 (performance)</i> <i>Pirelli P6 FourSeasons (all-seasons)</i>			
BODY:					
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)				
CAPACITIES:					
		quattro			
Engine oil		6.3 qt.	6 liter		
Fuel tank		16.6 gal.	63 liter		
Cooling system		9.5 qt.	9 liter		
EXTERIOR DIMENSIONS:					
		quattro			
Wheelbase		104.3 in.	2648 mm		
Track: front / rear		59.9 in.	1522 mm	/ 60 in.	1522 mm
Overall length		180.6 in.	4586 mm		
Overall width / with mirrors		69.8 in.	1772 mm	/ 76.3 in.	1937 mm
Height (unloaded)		56.2 in.	1427 mm		
Ground clearance (loaded)		4.2 in.	106 mm		
Curb weight: man. / auto.		3671 lbs.	1665 kg	/ 3748 lbs.	1700 kg
Distribution: % front / rear		58 / 42		59 / 41	
Drag coefficient: Front / quattro	Cw = 0.33	Frontal Area = 2.18 sq.m.			
INTERIOR DIMENSIONS (SAE measurements):					
Seating Capacity	5				
EPA class	Compact				
Head room front / rear	38.4 in.	976 mm	/	37.6 in.	956 mm
w/sunroof front / rear	37.9 in.	962 mm	/	37.2 in.	946 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
Int. volume Sedan front / rear	50.7 cu. ft.	1436 liters	/	39.4 cu. ft.	1116 liters
Luggage Capacity Sedan	13.4 cu. ft.	380 liters			103.5 = total of cu. ft (including trunk volume)
Int. Volume Avant front / rear	50.7 cu. ft.	1436 liters	/	40.1 cu. ft.	1136 liters
Luggage Capacity Avant	27.8 cu. ft.	787 liters			118.6 = total of cu. ft (including trunk volume)
Avant rear volume with seats folded	59 cu. ft.	1672 liters			
PERFORMANCE:					
		quattro			
		Manual 6-speed		Automatic 6-speed w/ Tiptronic®	
0-50 mph (0-80km/h)		5.4 sec.		5.6 sec.	
0-60 mph (0-100 km/h)		7.4 sec.		7.6 sec.	
Top speed	Top speed is electronically limited at 130 mph (208 km/h)				
FUEL ECONOMY:					
		quattro			
		Manual 6-speed		Automatic 6-speed w/ Tiptronic®	
City		22 mpg		22 mpg	
Highway		31 mpg		30 mpg	
Combined		25 mpg		25 mpg	
FUEL CONSUMPTION:					
		Manual 6-speed		Automatic 6-speed w/ Tiptronic®	
City		10.6 liters/100km		10.8 liters/100km	
Highway		7 liters/100km		7.2 liters/100km	