



Technical Specifications		2006 A3 3.2 quattro S line	
ENGINE:			
Type	six-cylinder spark-ignition DOHC (250 hp)		
Arrangement	Front mounted, transverse		
250 hp version			
Bore	3.31 in.	84	mm
Stroke	3.78 in.	95.9	mm
Displacement	195 cu. in.	3195	cc
Compression ratio	11.3:1		
Fuel requirement	Premium unleaded (91 AKI) recommended for maximum performance		
Horsepower (SAE)	250 hp @	6300 rpm	
Max. Torque	236 lbs.ft @	2800-3200 rpm	
Max. Turbo boost (abs.)			
ENGINE DESIGN:			
Cylinder block	Cast iron		
Crankshaft	Forged steel, 5 main bearings		
Cylinder head	Aluminum alloy		
Valve train / intake	DOHC, belt driven, hydraulic lifters		
Firing order	1-5-3-6-2-4		
Cooling system	Water-cooled, thermostatically controlled radiator fan		
Lubrication system	Gear pump, pressurized, full flow with oil cooler		
Fuel injection / Ignition system	ME 7.5 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, electronic throttle operation and fully adaptive controls		
Emission system	3-way catalytic converter with dual oxygen sensors		
ELECTRICAL SYSTEM:			
Battery	12 volts	80 amp x h	
Alternator	14 volts	140 amp x h	
DRIVETRAIN:			
Transmission	Automatic: 6-speed Direct Shift Gearbox (DSG) with electro-hydraulic control		
Type	250 hp quattro		
Automatic			
Gear ratios:	1st	2.933	
	2nd	1.833	
	3rd	1.300	
	4th	0.975	
	5th	1.030	
	6th	0.825	
	Reverse	3.352	
Final Drive front / rear	4.8 1st - 4th / 3.6 5th, 6th and reverse		
Front Differential	Hypoid gear, electronically locking (EDL)		
Center Differential	Haldex electronically controlled multi-plate coupling automatic and variable front to rear power proportioning		
Rear Differential	Hypoid gear		
STEERING:			
Type	Electromechanical steering with speed-dependent power assistance / 16.2/ approx. 10.7		
Ratio	16.2:1		
Turns (lock-to-lock)	3		
Turning circle (curb-to-curb)	35.11 ft.	10.7 m	
SUSPENSION:			
Front	Mc Pherson strut with lower wishbones, aluminium subframe, tubular anti-roll bar, track-stabilising steering roll radius		
Rear (quattro)	Four-link rear suspension with separate spring/shock absorber arrangement, subframe, tubular anti-roll bar		



Technical Specifications (continued) **2006 A3 3.2 quattro S line**

BRAKES:	
Service brake	Dual-circuit brake system with diagonal split, ESP with elektronic brake force distribution EBD, ABS; hydraulic brake assistent; brake servo with dual-rate function, electronic differential lock EDL, front: ventilates discs, rear: discs
Front, size and type	12.3 in. 312 mm - Vent. disc
Rear, size and type	11.3 in. 286 mm disc
Parking brake	Mechanically actuated at the rear wheels
WHEELS (standard only):	
Size	7.5J x 17 cast aluminum, excalibur
TIRES (standard only):	
Size	225 / 45 R 17 Y all season
BODY:	
Material	
Corrosion protection	Multi-step anti-corrosion protection Cw = 0.33
CAPACITIES:	
Engine oil	5.2 qt. 5.5 liter
Fuel tank	14.5 gal. 55 liter
Cooling system	11.6 qt. 12.3 liter (incl. heating)
EXTERIOR DIMENSIONS:	
Wheelbase	101.5 in. 2578 mm
Track: front / rear	60.4/59.3 in. 1534 /1507 mm
Overall length	168.7 in 4286 mm
Overall width	77.1 in 1959 mm (includes mirrors)
Height	56 in. 1423 mm
Ground clearance	4.4 in. 113 mm
Curb weight	3660 lbs. 1660 kg (automatic)
Distribution % front / rear	58 / 42
INTERIOR DIMENSIONS:	
Seating Capacity	5
EPA class	Five seater
Head room	38.1 in. 970 mm
Shoulder room	54.3 in. 1381 mm
Leg room	41.2 in. 1047 mm
Int. vol. (EPA)	N/A
Luggage capacity (EPA)	12.4 cu. ft. 302 Liter
PERFORMANCE:	
0-60 mph	5.9 sec.
1/4 mile	14.4 sec.
Top speed	Electronically limited to 130 mph (209 km/h) for North America
FUEL ECONOMY: EPA estimate	
City	mpg
Highway	mpg
Combined	mpg
FUEL ECONOMY: Canadian estimate	
City	liters/100km*
Highway	liters/100km*