



Technical Specifications **2007 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/ appox. 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 seperate spring/shock absorber arrangement, subframe, turbular anti-roll bar



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BRAKES:	
Service brake	Dual-circuit brake system with diagonal split, ESP with electronic 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, 5-spoke quattro GmbH wheels
TIRES (standard only):	
Size	225 / 45 R 17 High Performance
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	41.1 in. 1046 mm
Int. vol. (EPA)	N/A
Luggage capacity (EPA)	19.5 cu. ft. 370 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	21 mpg
Highway	27 mpg
Combined	23 mpg
FUEL ECONOMY: Canadian estimate	
City	11 liters/100km*
Highway	9 liters/100km*