

Technical Specifications		2008 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	Mac 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)		2008 A3 3.2 quattro S line	
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	77.4 in.	1957 mm	(includes mirrors)
Height	56 in.	1423 mm	
Ground clearance	4.0 in.	102 mm	
Curb weight	3660 lbs.	1660 kg	
Distribution % front / rear	58 / 42		
INTERIOR DIMENSIONS:			
Seating Capacity	5		
EPA class	Five seater		
Head room	38.9 in.	970 mm	
Shoulder room	54.4 in.	1381 mm	
Leg room	41.2 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	18 mpg		
Highway	25 mpg		
Combined	21 mpg		
FUEL ECONOMY: Canadian estimate			
City	11.3 liters/100km*		
Highway	8 liters/100km*		