

2006 Audi A3 - Version 4
 Technical Specifications

Technical Specifications		Version 4	2006 A3 2.0T
ENGINE:			
Type	Inline four-cylinder spark-ignition engine with petrol direct injection, exhaust turbocharger with intercooler, four valves per cylinder,		
Arrangement	Front mounted, transverse		
Bore	3.2 in.	82.5 mm	
Stroke	3.7 in.	92.8 mm	
Displacement	121 cu. in.	1984 ccm	
Compression ratio	10.3:1		
Fuel requirement	Unleaded Super, 95 RON (unleaded regular, 91 RON, as an alternative with slight reduction in performance)		
Horsepower (SAE)	200 hp @ 5100 - 6000 rpm		
Max. Torque	207 lb- ft. 280 Nm @ 1800 - 5000 rpm		
Max. Turbo boost (abs.)	1.8 bar		
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	1-3-4-2		
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 with drive-by-wire throttle control, direct injection, adaptive lambda control; mapped ignition with cylinder selective ignition coil, cylinder-selective adaptive knock control		
Emission system	Underbonnet ceramic precatalyst with catalyst heating function via homogenous split dual injection		
ELECTRICAL SYSTEM:			
Battery	12 volts	60 amp x h	
Alternator	14 volts	140 amp	
DRIVETRAIN:			
Transmission	Automatic: 6-speed Direct Shift Gearbox (DSG) with electro-hydraulic control		
Type	Manual:		
	200 hp FWD	200 hp FWD	
	DSG	Manual	
Gear ratios: 1st	3.462	3.357	
2nd	2.150	2.087	
3rd	1.464	1.469	
4th	1.079	1.098	
5th	1.094	1.108	
6th	0.921	0.927	
Reverse	3.989	3.990	
Final Drive front / rear	4.059 1st - 4th / 3.136 5th, 6th and reverse		3.944 1st - 4th / 3.087 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, aluminum subframe, tubular anti-roll bar, track-stabilising steering roll radius		
Rear (fwd)	Four-link rear suspension with separate spring/shock absorber arrangement, subframe, tubular anti-roll bar		
Rear (quattro)	Four-link rear suspension with separate spring/shock absorber arrangement, subframe, tubular anti-roll bar		

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2005 A3 2.0T

Technical Specifications (continued)		Version 4	2005 A3 2.0T
BRAKES:			
Service brake	Dual-circuit brake system with diagonal split, ESP with electronic brake pressure distribution EBD, ABS; hydraulic brake assist; brake servo with dual-rate function, electronic differential lock EDL, front: ventilates discs, rear: discs		
	<u>2.0T 200hp FWD</u>		
Front, size and type	12.3 in.	312 mm	- Vent. disc
Rear, size and type	11 in.	280 mm	disc
Parking brake	Mechanically actuated at the rear wheels		
WHEELS (standard only):			
Size	7.5J x 17 cast aluminum, 5 dome star spoke design		
TIRES (standard only):			
Size	225 / 45 R 17 Y all season		
BODY:			
Material			
Corrosion protection	Multi-step anti-corrosion protection	Cw = 0.33	
CAPACITIES:			
	<u>Front wheel drive (200hp)</u>		
Engine oil	4.8 qt.		
Fuel tank	14.5 gal.		
Cooling system	8.4 qt. (incl. heating)		
EXTERIOR DIMENSIONS:			
	<u>Front wheel drive (200 hp)</u>		
Wheelbase	101.5 in.		
Track: front/rear	59.9/58.8 in.		
Overall length	168.7 in.		
Overall width	69.5 in. (excludes mirrors)		
Height	56 in.		
Ground clearance	4.4 in.		
Curb weight	3329 lbs. (automatic)	3263 lbs. (manual)	
Distribution % front / rear	61/39	60/40	
INTERIOR DIMENSIONS:			
Seating Capacity	5		
EPA class	Five seater		
Head room front/rear	38.1/36.9 in.		
Shoulder room front/rear	54.3/52.8 in.		
Leg room front/rear	41.2/34.8 in.		
Int. vol. (EPA)	108.3 cu. ft.		
Luggage capacity (EPA)	12.4 cu. ft.	55.6 cu.ft. (seats folded)	
PERFORMANCE:			
	<u>200 hp FWD</u>		<u>200 hp FWD</u>
	<u>DSG</u>		<u>manual</u>
0-60 mph	6.7 sec.	6.9 sec.	
1/4 mile	15.5 sec.	15.6 sec.	
Top speed	Electronically limited to 130 mph (209 km/h) for North America		
FUEL ECONOMY: EPA estimate			
	<u>200 hp FWD</u>		<u>200 hp FWD</u>
	<u>DSG</u>		<u>manual</u>
City	25 mpg	24 mpg	
Highway	31 mpg	32 mpg	
Combined	28 mpg	27 mpg	
FUEL ECONOMY: Canadian estimate			
	<u>200 hp FWD (DSG)</u>		<u>200 hp FWD (manual)</u>
City	9.7 liters/100km*		10.2 liters/100km*
Highway	7.2 liters/100km*		7.1 liters/100km*