

2006 Audi A3
 Technical Specifications



Technical Specifications		2006 A3 2.0T
ENGINE:		
Type	Inline four-cylinder spark-ignition engine with petrol direct injection, exhaust turbocharger with intercooler, four valves per cylinder,	
	double overhead camshafts (DOHC)	
Arrangement	Front mounted, transverse	
	2.0T 200 hp FWD	
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 precatlyst 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	
	Manual:	
Type	200 hp FWD	200 hp FWD
	Automatic	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		
Rear Differential		
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 (fwd)	Four-link rear suspension with seperate spring/shock absorber arrangement, subframe, tubular anti-roll bar	
Rear (quattro)	Four-link rear suspension with seperate spring/shock absorber arrangement, subframe, tubular anti-roll bar	

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Technical Specifications (continued)		2005 A3 2.0T	
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		
	<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	4.4 qt.	4.6 liter	
Fuel tank	14.5 gal.	55 liter	
Cooling system	7.6 qt.	8 liter	(incl. heating)
EXTERIOR DIMENSIONS:			
	<u>Front wheel drive (200 hp)</u>		
Wheelbase	101.5 in.	2578 mm	
Track: front / rear	59.3 in.	1523 / 1495 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	3186 lbs.	1510 kg (automatic)	1480 kg (manual)
Distribution % front / rear	61/39		60/40
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:			
	<u>200 hp FWD</u>		<u>200 hp FWD</u>
	<u>automatic</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>automatic</u>		<u>manual</u>
City	n/a		n/a
Highway	n/a		n/a
Combined	n/a		n/a
FUEL ECONOMY: Canadian estimate			
	<u>200 hp FWD (automatic)</u>		<u>200 hp FWD (manual)</u>
City	n/a		n/a
Highway	n/a		n/a