

Audi of America
Audi A3 2.0 TDI Technical Specifications
2010 Model Year



Technical Specifications		2010 Audi A3 2.0 TDI
ENGINE:		
Type	Inline four-cylinder clean diesel engine with TDI direct injection	
Arrangement	Front mounted, transverse	
Bore	3.19 in.	81 mm
Stroke	3.76 in.	95.5 mm
Displacement	120.1 cu. in.	1968 cc
Compression ratio	16.5:1	
Fuel requirement	Ultra low sulfur diesel (ULSD) required / B5 (5% maximum biodiesel) approved	
Horsepower (SAE)	140 hp	@ 4200 rpm
Max. Torque	236 lbs. ft.	@ 1750-2500 rpm
ENGINE DESIGN:		
Cylinder block	cast iron	
Cylinder head	Aluminum alloy	
Valve train / intake	four valves per cylinder with hydraulic self-adjustment	
Turbocharger	VTG turbo	
Firing order	1-3-4-2	
Fuel injection / Ignition system	Common rail injection system with 8-hole piezo injectors Bosch EDC	
Emission system	Oxidizing catalytic converter, water-cooled exhaust gas recirculation, maintenance-free diesel particulate filter, OBD II	
Emissions level	EU4; EPA Bin 5; ULEVII	
ELECTRICAL SYSTEM:		
Battery 12	volts	80 amp/hr
Alternator	14 volts	140 amp
DRIVETRAIN:		
Transmission	Automatic: S tronic 6-speed dual-clutch with electro-hydraulic control	
Type	S tronic dual-clutch, front wheel drive	
	Automatic	
Gear ratios:	1st	3.462
	2nd	2.050
	3rd	1.300
	4th	0.902
	5th	0.914
	6th	0.756
	reverse	3.989
	Final Drive	3.043
Front Differential	Electronically locking (EDL)	
Center Differential	n/a	
Rear Differential	n/a	
STEERING:		
Type	vehicle speed-sensitive electromechanical power assist	
Ratio	16.2:1	
Turning circle (curb-to-curb)	35.1 ft.	10.7 m
SUSPENSION:		
Front	McPherson struts with lower wishbones, tubular anti-roll bars, track-stabilizing steering roll radius, aluminum subframe	
Rear	Four-link with separate springs/shocks, tubular anti-roll bar, subframe	
BRAKES:		
System	Dual-circuit brake system with diagonal split, Anti-lock Brake System (ABS), Electronic Brake pressure Distribution (EBD) and Electronic Stabilization Program (ESP); brake booster with dual-rate function	
Front	Ventilated discs, 312 mm	
Rear	Solid discs, 280 mm	
Parking brake	mechanically actuated at the rear wheels	

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Technical Specifications (continued)		2010 Audi A3 2.0 TDI	
WHEELS:			
Size	7.5X17 alloy	standard	
	7.5X18 alloy	optional	
TIRES:			
Size	225/45 R17 all season	standard	
	225/40 R18 summer performance	optional	
BODY:			
Material	Unitized steel structure		
Corrosion protection	All steel parts are 100% dual-side zinc-galvanized (12 year limited warranty against corrosion perforation)		
WARRANTY/MAINTENANCE:			
	4-Year/50,000 mile new vehicle limited warranty		
	12-Month/5,000 mile (whichever occurs first)		
CAPACITIES:			
Engine oil	4.23 qt.	4 liter	
Fuel tank	14.63 gal.	55 liter	
Cooling system	9.2 qt.	8.7 liter	
EXTERIOR DIMENSIONS:			
Wheelbase	101.5 in.	2578 mm	
Track: front / rear	60.4/59.3	1534/1507	
Overall length	169 in.	4292 mm	
Overall width (incl mirrors)	78.5 in.	1995 mm	
Height (unloaded)	56 in.	1423 mm	
Ground clearance	4.3307 in.	110 mm	
Curb weight	N/A lbs.	N/A kg	
Drag coefficient	Cw = 0.33	Frontal Area =	= 2.13 sq. m.
INTERIOR DIMENSIONS:			
EPA Class	Small station wagons		
Seating Capacity	5		
Head room front / rear	39.3 in.	999 mm	/ 36.9 in. 938 mm
Shoulder room front / rear	54.4 in.	1381 mm	/ 52.8 in. 1342 mm
Int. vol. (EPA)	89 cu. ft.		
Luggage capacity (EPA)	19.5 cu. ft. 39.0 cu. ft. (rear seat folded)		
PERFORMANCE:			
0-60 mph (0-100 km/h)	9.1	sec.	
1/4 mile	n/a	sec.	
Top speed	130	mph	
FUEL ECONOMY:			
	2009 EPA figures		
City	30	mpg	
Highway	42	mpg	
Combined	34	mpg	