



Audi of America

A8/A8L 4.2 Technical Specifications

2011 Model Year

Technical Specifications	2011 Audi A8 4.2 quattro (NWB)	2011 Audi A8 L 4.2 quattro LWB (where different)
ENGINE:		
Type	V8 enging, 90° V-angle - spark-ignition direct injection, 4 valves/cylinder	
Arrangement	Front mounted, longitudinal	
Bore	3.33 in.	
Stroke	3.65 in.	
Displacement	254 cu. in. 4163 cc	
Compression ratio	12.5:1	
Fuel requirement	Premium unleaded 91 AKI / 95 RON recommended for maximum performance	
Horsepower (SAE)	372 hp @ 6800 rpm	273 KW vs. 350hp in D3
Max. Torque	328 lbs. ft. @ 3500 rpm	445 Nm vs. 325 lbs.ft in D3
ENGINE DESIGN:		
Cylinder block	Aluminium alloy	
Cylinder head	Aluminium alloy	
Valve train / intake	hydraulic valve lifters, continuously variable intake and exhaust camshaft adjustment, maintenance free chain drive	
Firing order	1 - 5 - 4 - 8 - 6 - 3 - 7 - 2	
Fuel injection / Ignition system	FSI direct injection with 120 bar system pressure, multi-hole injection valves, drive-by-wire throttle control mapped ignition with solid-state high-voltage distribution, manifold-pressure controlled system	
Emission system	ULEV 2	
ELECTRICAL SYSTEM:		
Battery	12 volts	110 amp/hr
Alternator	volts	140 amp
Recuperation	Temporarily stores braking engergy in the battery, and thus aids driving off and acceleration	
DRIVETRAIN:		
Drive type	quattro all-wheel drive	
Transmission	8-speed Tiptronic transmission	
Gear ratios:	1st	4.714
	2nd	3.143
	3rd	2.106
	4th	1.667
	5th	1.285
	6th	1.000
	7th	0.839
	8th	0.667
	Final Drive	3.204
	Reverse	3.317
Front Differential	Hypoid gear, electronically locking (EDL)	
Center Differential	Torque sensing self-locking differential	
Parking brake	Electro-mechanically actuated at the rear wheels	
Steering/ ratio / turning circle	Speed-dependent power assistance / 15.1 / 41.7 ft	
Brake rotor diameter-front/rear	380mm / 356mm	
BODY:		
Material	Audi Space Frame construction (aluminum alloy) with aluminum alloy body panels	
Corrosion protection	Multi-step anti-corrosion protection (12 year limited warranty against corrosion perforation)	
WARRANTY/MAINTENANCE:	4-Year/50,000 mile new vehicle limited warranty	

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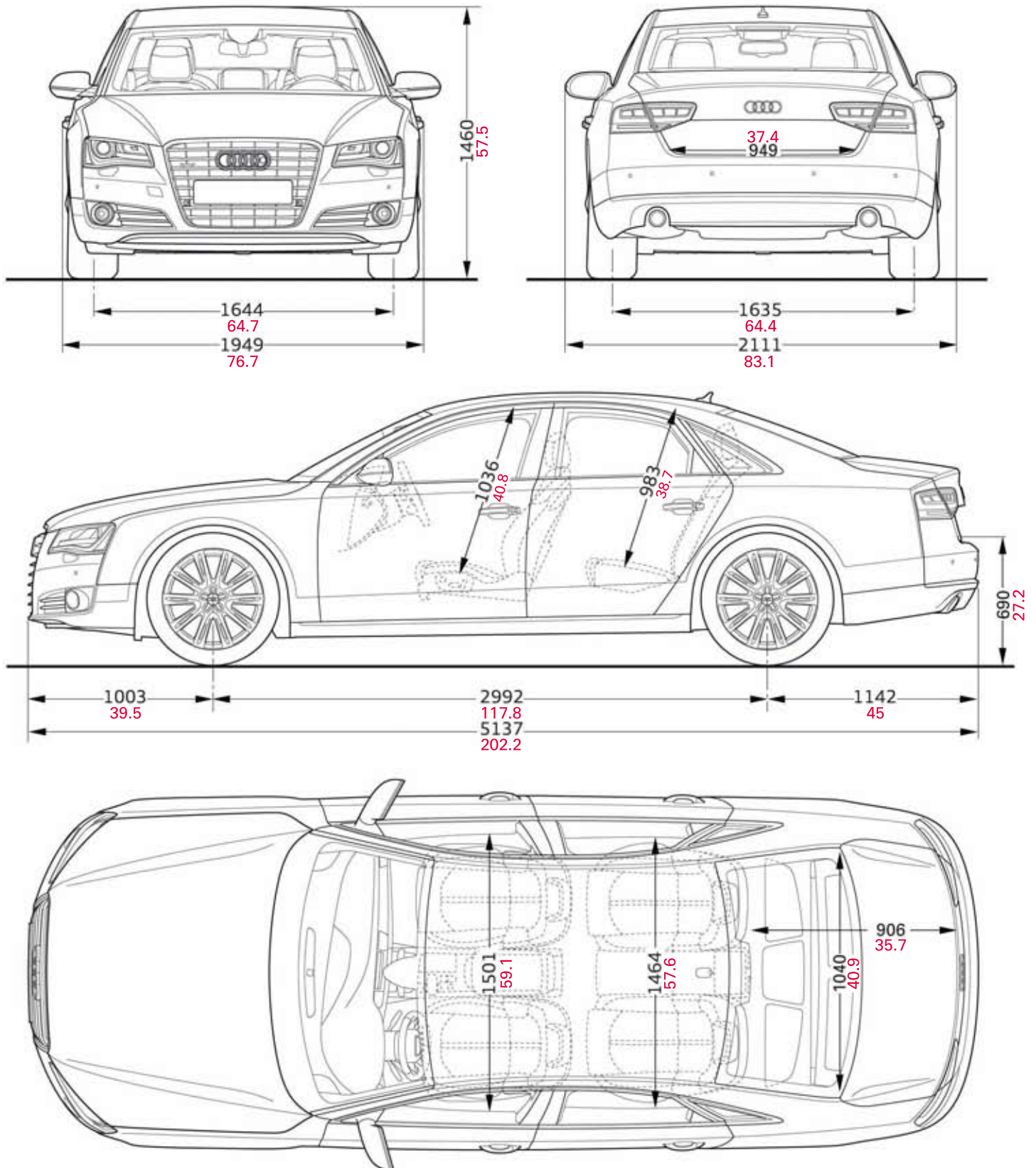
2011 Model Year

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CAPACITIES:				
Engine oil	8.1 qt.	7.7 liter		
Fuel tank	23.8 gal.	90 liter		
Cooling system	3.17 gal.	12.0 liter		
EXTERIOR DIMENSIONS:				
Wheelbase	117.8 in.	2992 mm	122.9 in.	3122 mm
Track: Front	64.7 in.	1644 mm		
Track: Rear	64.4 in.	1635 mm		
Overall length	202.2 in.	5137 mm	207.4 in.	5267 mm
Overall width	76.7 in.	1949 mm		
Overall width with mirrors	83.1 in.	2111 mm		
Height (unloaded)	57.5 in.	1460 mm	57.9 in.	1471 mm
Ground clearance (loaded)	4.72 in.	120 mm	*** Ground clearance is dependent on Suspension Mode setting	
(Variance)	+/- 1 in.	+/- 25 mm	*** Ground clearance is dependent on Suspension Mode setting	
Curb weight	4409 lbs.		4453	
Drag coefficient	Cw = 0.26			
INTERIOR DIMENSIONS:				
Seating Capacity	5			
Head room	front	37.2 in.	mm (sunroof standard)	
	rear	38.1 in.	mm	39.1
Shoulder room	front	59.1 in.	mm	
	rear	57.8 in.	mm	
Leg room	front	41.4 in.	mm	
	rear	38.7 in.	mm	42.9
Int. vol. cu ft (EPA)	115.1 cu. ft.		121.9 cu. ft.	
Luggage volume (EPA)	13.2 cu. ft.			
PERFORMANCE:				
0-50 mph (0-80kmh)	sec.			
0-60 mph (0-100 km/h)	5.7 sec.		TBD (5.8 0-100km/h)	
Top speed	Electronically limited to 130 mph (209 km/h)			
FUEL ECONOMY:				
EPA Fuel economy estimate (MY2011)				
City	17			
Highway	27			
Combined	21		21 is best in class - same as Mercedes S Class hybrid and Lexus LS hybrid - better than BMW hybrid and 6 cylinder!	



Audi A8

Dimensions
11/09

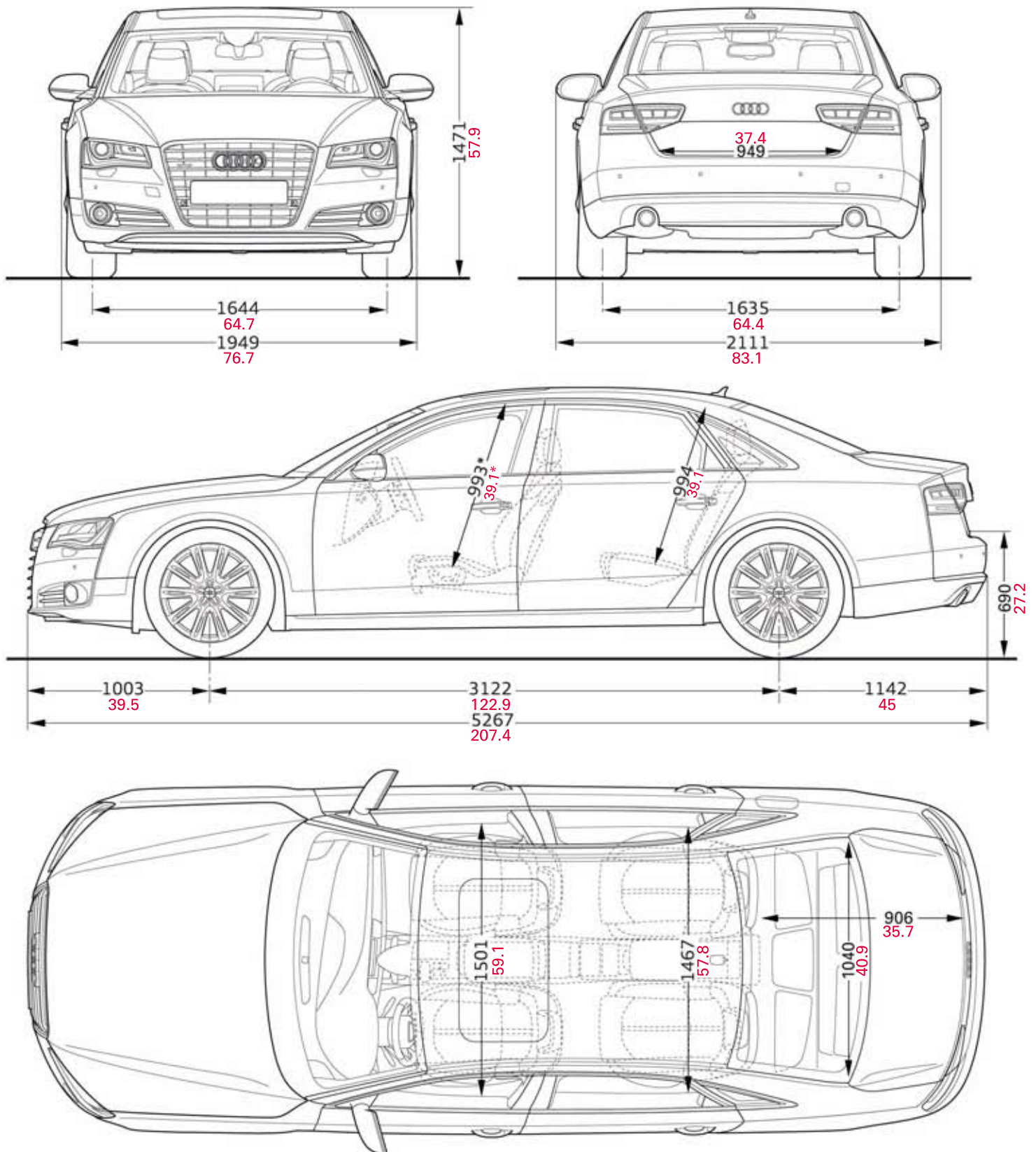


* maximum headroom
Dimensions in millimeters and inches
Dimensions of vehicle unloaded



Audi A8 L

Dimensions
04/10



* maximum headroom

Dimensions in millimeters and inches

Dimensions of vehicle unloaded