

2012 Audi Q7 3.0T

Technical specifications



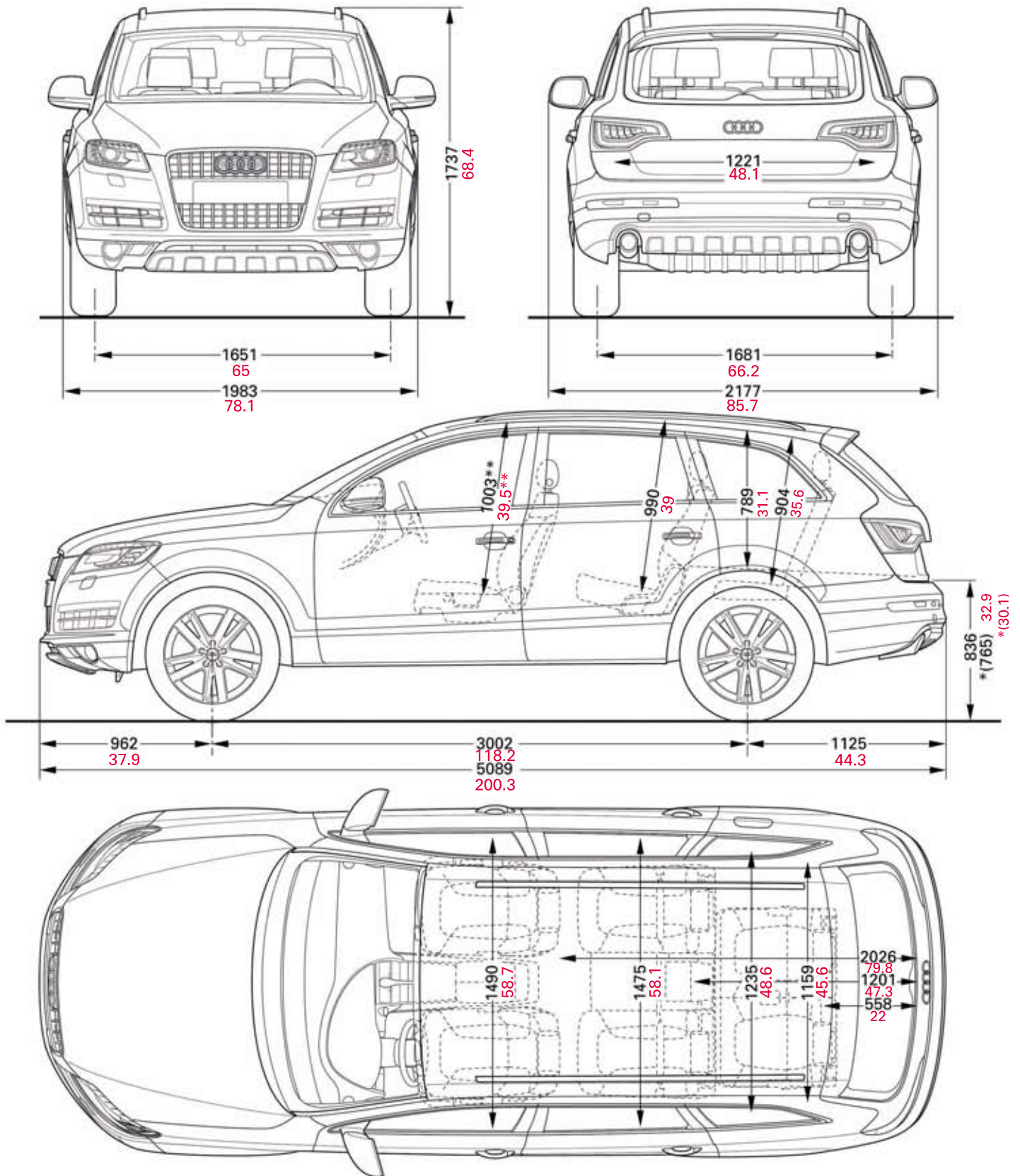
Technical specifications		2012 Audi Q7 3.0 TFSI	
ENGINE:			
Type	Direct petrol injection Supercharged V6 with variable intake manifold, continuous camshaft adjustment, DOHC		
Arrangement	Front mounted, longitudinal		
Bore	3.33 in	84.5 mm	
Stroke	3.50 in	89 mm	
Displacement	182.8 cu in	2995 cc	
Compression ratio	10.5:1	10.3:1 (3.0T S line®)	
Fuel requirement	Premium unleaded (91 Octane) recommended 3.0T S line		
Horsepower (SAE)	280 hp @ 4,920 rpm	206 kW	333 hp @ 5,500 rpm 245 kW
Max. torque	295 lb-ft @ 2,250 rpm	400 nm	325 lb-ft @ 2,900 rpm 440 nm
ENGINE DESIGN:			
Cylinder block	Aluminum alloy		
Cylinder head	Aluminum alloy		
Valve train / intake	DOHC, mechanical charger module with two intercoolers, two charge movement flaps, chain driven, four valves per cylinder		
Supercharger	Eaton R1320, maximum boost: 0.x BAR / x.x psi (0.8 BAR / 11.6 psi, 3.0T S line)		
Firing order	1 - 4 - 3 - 6 - 2 - 5		
Fuel injection / Ignition system	Fully electronic engine management with drive-by-wire throttle control, direct petrol injection, cylinder selective lambda control Mapped ignition with solid-state high-voltage distribution, manifold-pressure controlled system		
Emission system	Dual close-coupled ceramic main catalytic converters		
Emissions level	Tier2 BIN5 / LEV II		
ELECTRICAL SYSTEM:			
Battery	12 volts	80 amp/hr	
Alternator	14 volts	190 amp	
DRIVETRAIN:			
Transmission	Eight-speed automatic with Tiptronic®		
Type	quattro® Tiptronic		
		Automatic	
Gear ratios:	1st	4.845:1	
	2nd	2.840:1	
	3rd	1.864:1	
	4th	1.437:1	
	5th	1.217:1	
	6th	1.000:1	
	7th	0.816:1	
	8th	0.672:1	
	Reverse	3.825:1	
	Final drive	3.700:1	
Front differential	Hypoid gear, electronically locking (EDL)		
Center differential	Self-locking differential providing automatic and variable front to rear power proportioning		
Rear differential	Hypoid gear, electronically locking (EDL)		
STEERING:			
Type	Vehicle speed-sensitive power rack and pinion, maintenance-free		
Ratio	16.5:1		
Turns (lock-to-lock)	2.66		
Turning circle (curb-to-curb)	39.4 ft	12 m	
SUSPENSION:			
Front	Front double-wishbone independent steel spring suspension		
Rear	Rear four-link independent steel spring suspension		
BRAKES:			
	Dual-circuit brake system with diagonal split, Anti-lock brake system (ABS), Electronic Brake pressure Distribution (EBD) and Electronic Stabilization Program (ESP); tandem brake booster		
Front, size and type	13.8 in	350 mm	- Ventilated disc
Rear, size and type	13.0 in	330 mm	- Ventilated disc
Parking brake	Mechanically actuated at the rear wheels		

Technical specifications (continued)		2012 Audi Q7 3.0 TFSI			
WHEELS:					
Size	8.0J x 18, six-arm-design	standard			
	8.5J x 19, five-arm-Structure-design	optional			
	9.0J x 20, ten-spoke-V-design	optional			
	9.0J x 20, five-spoke-design, Audi exclusive	standard on 3.0T S line			
	10.0J x 21, five-segment-spoke-design, Titanium	optional			
	10.0J x 21, five-segment-spoke-design	optional			
TIRES:					
Size	255/55 R18 all season tire	standard			
	265/50 R19 all season tire	optional			
	275/45 R20 all season tire	optional (standard on 3.0T S line)			
	295/35 R21 summer tire	optional			
BODY:					
Material	Unitized steel structure with integrated aluminum and magnesium components				
Corrosion protection	All steel parts are 100% dual-side zinc-galvanized (twelve-year limited warranty against corrosion perforation)				
WARRANTY/MAINTENANCE:					
	Four-year/50,000 mile new vehicle limited warranty				
	Twelve-month/5,000 mile (whichever occurs first) NO CHARGE first scheduled maintenance				
CAPACITIES:					
Engine oil	3.0T				
	8.5 qt.	8.1 liter			
Fuel tank	26.4 gal.	100 liter			
EXTERIOR DIMENSIONS:					
Wheelbase	3.0T				
	118.2 in	3002 mm			
Track:	front / rear	65.0 / 66.2	1651 / 1681		
Overall length		200.3 in	5089 mm		
Overall width	mirrors	78.1 / 85.7	1983 / 2177		
Height (unloaded)		68.4 in	1737 mm		
Ground clearance (loaded)		8.1 in	205 mm	9.4 in	240 mm with optional Audi adaptive air suspension
Curb weight		5,291 lb	2400 kg	5,412 lb	2455 kg (3.0T S line)
Drag coefficient		Cw = 0.37	Frontal Area =	=	2.87 sq m Cw = 0.35 with optional Audi adaptive air suspension
INTERIOR DIMENSIONS:					
EPA class	Light Truck				
Seating capacity	Seven				
Head room	front / middle / rear	39.5 in	1003 mm	/	39.0 in 990 mm / 35.6 in 904 mm
w/sunroof	front / middle / rear	40.0 in	1017 mm	/	37.2 in 945 mm / 35.4 in 899 mm
Shoulder room	front / middle / rear	58.7 in	1490 mm	/	58.1 in 1475 mm / 48.6 in 1235 mm
Leg room	front / middle / rear	41.3 in	1049 mm	/	37.1 in 943 mm / 29.2 in 741 mm
Int. vol. (EPA)	front / middle / rear	55.4 cu ft		48.6 cu ft 29.2 cu ft	
Luggage capacity (EPA)		10.9 cu ft	42.0 cu ft.	(3rd row folded)	72.5 cu ft (2nd + 3rd row folded) 144.1 cu ft (total including trunk volume)
PERFORMANCE:					
0-60 mph	3.0T				
	7.7 est.	sec			
Top speed	3.0T S line				
	Electronically limited to 130 mph (209 km/h)		Electronically limited to 130 mph (209 km/h)		
FUEL ECONOMY:					
2012 EPA figures					
quattro					
City	16 mpg				
Highway	22 mpg				
Combined	18 mpg				

Audi Q7



Dimensions



* Air Suspension "Load Level" ** Maximum headroom
 Dimensions in millimeters and inches Dimensions of vehicle unloaded