



Audi of America

Audi Q7 3.0T Technical Specifications

2011 Model Year

Technical Specifications		2011 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)	272 hp @ 4750 rpm		333 hp @ 5500 rpm
Max. Torque	295 lbs. ft. @ 2250 rpm	400 nm	325 lbs. ft. @ 2900 rpm 440 nm
ENGINE DESIGN:			
Cylinder block	Aluminum alloy		
Cylinder head	Aluminum alloy		
Valve train / intake	DOHC, mechanical charger module with 2 intercoolers, 2 charge movement flaps, chain driven, 4 valves per cylinder		
Supercharger	Eaton R1320, maximum boost: 0.6 BAR / 8.7 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		

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Technical Specifications (continued)		2011 Audi Q7 3.0 TFSI			
WHEELS:					
Size	8.0J x 18, six-spoke design	standard			
	8.5J x 19, five-arm V design	optional			
	9.0J x 20, five-double spoke design	optional			
	9.0J x 20, five-spoke design (S line)	standard on 3.0T S line			
	9.0J x 20, ten-spoke chrome-clad design	optional			
	10.0J x 21, five-segment spoke design (S line)	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)			
	275/45 R20 summer performance tire	optional			
	295/35 R21 summer performance tire	optional			
BODY:					
Material	Unitized steel structure with integrated aluminum and magnesium components				
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) NO CHARGE first scheduled maintenance				
CAPACITIES:					
	3.0T				
Engine oil	8.5 qt.	8.1 liter			
Fuel tank	26.4 gal.	100 liter			
Cooling system	qt.	liter			
EXTERIOR DIMENSIONS:					
	3.0T				
Wheelbase	118.2 in.	3002 mm			
Track: front / rear	65.0 / 66.0	1651 / 1676			
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	5,192 lbs.	2355 kg	5,412 lbs.	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	7				
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	55.36 cu. ft.	48.63 cu. ft.		29.22 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:					
	3.0T			3.0T S line	
0-60 mph	7.8 est.	sec.		6.9 est.	sec.
Top speed	Electronically limited to 130 mph (209 km/h)			Electronically limited to 130 mph (209 km/h)	
FUEL ECONOMY:					
	2011 EPA figures				
	quattro				
City	16	mpg			
Highway	22	mpg			
Combined	18	mpg			