

# 2008 Audi Q7 3.6 Technical Specifications



Technical Specifications		2008 Audi Q7 3.6 FSI
<b>ENGINE:</b>		
Type	direct petrol injection V6 with variable intake manifold, continuous camshaft adjustment, DOHC	
Arrangement	Front mounted, longitudinal	
Bore	3.5 in.	89 mm
Stroke	3.80 in.	96.4 mm
Displacement	219.5 cu. in.	3597 cc
Compression ratio	12.0:1	
Fuel requirement	Premium unleaded (91 RON) recommended for maximum performance	
Horsepower (SAE)	280 hp	@ 6200 rpm
Max. Torque	266 lbs. ft.	@ 2750 rpm 360 nm
<b>ENGINE DESIGN:</b>		
Cylinder block	weight reduced gray cast-iron VR6 cylinder crankcase	
Cylinder head	cast steel	
Valve train / intake	DOHC chain driven roller cam follower valve train, hydraulic support elements, two-stage variable intake manifold	
Firing order	1 - 5 - 3 - 6 - 2 - 4	
Fuel injection / Ignition system	Fully electronic engine management utilizing Bosch Motronic® 9.1.1, sequential, direct petrol injection with adaptive idle-charge control, acceleration enrichment, overrun fuel cut-off, adaptive lambda control, mapped ignition with solid-state high-voltage distribution via single spark coils, cylinder selective adaptive knock control with four sensors	
Emission system	Dual three-way catalytic converters w/ individual oxygen sensors	
<b>ELECTRICAL SYSTEM:</b>		
Battery	12 volts	80 amp/hr
Alternator	14 volts	180 amp
<b>DRIVETRAIN:</b>		
Transmission	Six-speed automatic with Tiptronic®	
Type	<b>quattro Tiptronic</b> Automatic	
Gear ratios:	1st	4.171:1
	2nd	2.340:1
	3rd	1.521:1
	4th	1.143:1
	5th	0.867:1
	6th	0.681:1
	rear	3.394:1
	Final Drive	4.556:1
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)	
<b>STEERING:</b>		
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
<b>SUSPENSION:</b>		
Front	Front double-wishbone independent steel spring suspension	
Rear	Rear four-link independent steel spring suspension	
<b>BRAKES:</b>		
	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 in.	330 mm - Ventilated disc
Parking brake	mechanically actuated at the rear wheels	

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Technical Specifications (continued)		2008 Audi Q7 3.6 FSI		
<b>WHEELS:</b>				
Size	8.5J x 18, cast alloy, five-twin spoke design	(standard on 3.6 & 3.6 Premium models)		
	8.5J x 19, cast alloy, seven arm design	(optional on 3.6 Premium model)		
	9J x 20, cast alloy, bi-color five-twin spoke design	(optional on 3.6 Premium model)		
	9J x 20, cast alloy, chrome five-twin spoke design	(optional on 3.6 Premium model)		
	9J x 20, cast alloy, five spoke design	(optional on 3.6 Premium model)		
	10J x 21, cast alloy, five double-spoke design	(optional on 3.6 Premium model)		
<b>TIRES:</b>				
Size	255/55 R18 all season tire	(standard on 3.6 & 3.6 Premium models)		
	265/50 R19 all season tire	(optional on 3.6 Premium model)		
	275/45 R20 all season tire	(optional on 3.6 Premium model)		
	275/45 R20 summer performance tire	(optional on 3.6 Premium model)		
	295/35 R21 summer performance tire	(optional on 3.6 Premium model)		
<b>BODY:</b>				
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)			
<b>WARRANTY/MAINTENANCE:</b>				
	4-Year/50,000 mile new vehicle limited warranty			
	12-Month/5,000 mile (whichever occurs first) NO CHARGE first scheduled maintenance			
<b>CAPACITIES:</b>				
	<b>quattro</b>			
Engine oil	7.3 qt.	6.9 liter		
Fuel tank	26.4 gal.	100 liter		
Cooling system	9.5 qt.	9 liter		
<b>EXTERIOR DIMENSIONS:</b>				
	<b>3.6</b>		<b>3.6 Premium</b>	
Wheelbase	118.2 in.	3002 mm	118.2 in.	3002 mm
Track: front / rear	65.0 / 66.0	1651 / 1676	65.0 / 66.0	1651 / 1676
Overall length	200.2 in.	5086 mm	200.2 in.	5086 mm
Overall width mirrors	78.1 / 85.7	1983 / 2177	78.1 / 85.7	1983 / 2177
Height (unloaded)	68.4 in.	1737 mm	68.4 in.	1737 mm
Ground clearance (loaded)	8.1 in.	205 mm	8.1 in.	205 mm
Curb weight	5027 lbs.	2280 kg	5126 lbs.	2325 kg
Drag coefficient	Cw = 0.37 Frontal Area = = 2.87 sq. m.			
<b>INTERIOR DIMENSIONS:</b>				
EPA Class	Light Truck			
Seating Capacity	5 (opt. 6/7)			
Head room front / middle / rear	39.5 in.	1003 mm	/	39.0 in.
w/sunroof front / middle / rear	40.0 in.	1017 mm	/	37.2 in.
Shoulder room front / middle / rear	58.7 in.	1490 mm	/	58.1 in.
Leg room front / middle / rear	41.3 in.	1049 mm	/	37.1 in.
Int. vol. (EPA) front / middle / rear	55.36 cu. ft.		48.63 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)			
<b>PERFORMANCE:</b>				
	<b>quattro</b>			
0-50 mph (0-80kmh)	5.9	sec.		
0-60 mph (0-100 km/h)	8.2	sec.		
1/4 mile	16.1	sec.		
Top speed	Electronically limited to 130 mph (209 km/h) on all Audi Q7 models			
<b>FUEL ECONOMY:</b>				
	EPA estimate	2008 New EPA figures		
	<b>quattro</b>			
City	14	mpg		
Highway	19	mpg		
Combined	16	mpg		