

Technical Data – Audi Q7 3.0 TDI quattro tiptronic (200 kW) (with five seats)

Program for Germany

Status: December 2014

Engine / electronics	
Engine type	V6 diesel engine with exhaust turbocharger
Valve gear / number of valves per cylinder	Double overhead camshafts (DOHC) / 4
Displacement in cc / bore x stroke in mm / compression	2967 / 83.0 x 91.4 / 16.0
Max. power output in kW (hp) / at rpm	200 (272) / 3250 - 4250
Max. torque in Nm (lb-ft) / at rpm	600 (442.5) / 1500 - 3000
Mixture preparation	Common rail injection system 2000 bar with piezo injectors
Exhaust emission control	Close-coupled oxidizing catalytic converter and maintenance-free diesel particulate filter with SCR coating
Emissions class	EU 6
Alternator in A / battery in A/Ah	120 - 180 / 520/92
Start-stop system	Switches the engine off if the vehicle is stationary and the brake is engaged.
Drivetrain / transmission	
Drive type	quattro permanent all-wheel drive with asymmetric-dynamic drive-torque split and self-locking center differential
Clutch	Hydraulic torque converter with lock-up clutch
Transmission type	8-speed tiptronic
Gear ratio in 1st gear / 2nd gear	4.714 / 3.143
Gear ratio in 3rd gear / 4th gear	2.106 / 1.667
Gear ratio in 5th gear / 6th gear	1.285 / 1.000
Gear ratio in 7th gear / 8th gear	0.839 / 0.667
Reverse gear / final drive ratio	3.317 / 2.848
Suspension / steering / brakes	
Front suspension	Independent suspension, five-link axle with forward steering mechanism, aluminium transverse link, subframe and anti-roll bar
Rear suspension	Independent suspension, five-link axle with rearward track rod, subframe and anti-roll bar
Steering / steering ratio / turning circle in m (D102) (ft)	Electromechanical steering with speed-dependent power assistance / 15.8 / 12.4 (40.7)
Brake system	Dual circuit brake system split between axles, anti-lock brake system (ABS) with electronic brake-force distribution EBD, electronic differential lock EDL, traction control (ASR), electronic stabilization control (ESC)
Wheels / tires (basic)	8.0Jx18" / 255/60 R18
Performance / consumption / acoustics	
Top speed in km/h (mph)	234 (145.4)
Acceleration, 0-100 km/h (0-62.1 mph) in sec	6.3
Fuel / octane value	Diesel EN 590 /
Idling / drive-past exterior noise level in dB (A)	73 / 72
Consumption / emissions (according to tire size)	
Tire category 1: 18-inch to 20-inch	
Fuel consumption: city / highway / combined, in l/100 km (US mpg)	6.2 (37.9) / 5.4 (43.6) / 5.7 (41.3)
CO ₂ mass emission city / highway / combined, in g/km (g/mi)	161 (259.1) / 142 (228.5) / 149 (239.8)
Tire category 2: 21-inch	
Fuel consumption: city / highway / combined, in l/100 km (US mpg)	6.5 (36.2) / 5.8 (40.6) / 6.1 (38.6)
CO ₂ mass emission city / highway / combined, in g/km (g/mi)	170 (273.6) / 153 (246.2) / 159 (255.9)
Servicing / guarantee (Germany)	
Service inspection after max. km (mi)	According to service indicator up to 30,000 km (18,641.1) (max. 2 years)
Vehicle / paint / rust perforation guarantee	2 years with unlimited mileage / 3 years / 12 years
Insurance classification in Germany: third party / fully comprehensive / part-	No details
Weights / loads	
Unladen weight according to EU (excluding driver) / (including driver) / gross weight limit in kg (lb)	1995 (4398.2) / 2070 (4563.6) / 2765 (6095.8)
Axle load limit at front / rear in kg (lb)	Steel springs: 1415 (3119.5) / 1465 (3229.8) (air springs: 1415 (3119.5) / 1510 (3329.0))
Trailer load limit on 8% / 12% gradient, braked / unbraked, in kg (lb)	Steel springs: 2700 (5952.5) / 2700 (5952.5) (air springs: 3500 (7716.2) / 3500 (7716.2)) / 750 (1635.5)
Roof load limit / permissible nose weight in kg (lb)	Steel springs: 100 (220.5) / 115 (253.5) (air springs: 100 (220.5) / 140 (308.6))
Capacities	
Cooling system capacity (incl. heating) in l (US gal)	13.4 (3.5) (equipped with 4-zone air conditioning system) 12.1 (3.2) (equipped with 2-zone air conditioning system)
Engine oil capacity (including filter) in l (US qt)	8.0 (8.5) (6.4 (6.8))
Fuel tank capacity in l (US gal)	75 (19.8)
Body / dimensions	
Body type / number of doors / seats	Lightweight multimaterial body with aluminum components / 4 / 5
Drag coefficient Cd / frontal area A in m ² (sq ft)	Steel springs: 0.325 (air springs at highway level: 0.316) / 2.86 (30.8)
Length (L103) / width excluding mirrors (W103) / height (H101-M) in mm (ft)	5052 (16.6) / 1968 (6.5) / 1741 (5.7)
Wheelbase (L101) / track at front/rear (W101-1/W101-2) in mm (ft)	2994 (9.8) / 1679 (5.51) / 1691 (5.55)
Height of loading lip (H196) in mm (feet)	788 (2.6)
Luggage compartment volume / with rear seat bench folded in l (cu ft)	890 (31.4) / 2075 (73.3)