

Technical Data – Audi Q7 3.0 TFSI quattro tiptronic (245 kW) (with seven seats)

Program for Germany

Status: May 2015

Engine / electronics	
Engine type	Aluminum V6 gasoline engine (90° V angle) with combined demand-controlled gasoline direct injection and manifold injection, double overhead camshafts (DOHC), mechanical charger module (can be deactivated) with two intercoolers, two charge movement flaps
Valve gear / number of valves per cylinder	Chain drive, continuous intake and exhaust camshaft adjustment, roller cam followers with hydraulic valve play compensation / 4
Displacement in cc / bore x stroke in mm / compression	2995 / 89.0 x 84.5 / 10.8
Max. power output in kW (hp) / at rpm	245 (333) / 5500 - 6500
Max. torque in Nm (lb-ft) / at rpm	440 (324.5) / 2900 - 5300
Mixture preparation	Fully electronic engine management with drive-by-wire throttle control; SIMOS 16, gasoline direct injection and manifold injection, cylinder-selective lambda control, mapped ignition with solid-state high-voltage distribution, cylinder-selective adaptive knock control; manifold-pressure controlled system
Exhaust emission control	Two close-coupled ceramic catalytic converters each with a pre- and post-catalyst oxygen sensor, secondary air system
Emissions class	EU 6
Alternator in A / battery in A/Ah	120 - 180 / 420/75
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 / 3.204
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)	250 (155.3)
Acceleration, 0-100 km/h (0-62.1 mph) in sec	6.3
Fuel / octane value	Premium sulfur-free according to DIN EN 228 / 95 RON
Idling / drive-past exterior noise level in dB (A)	75 / 74
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)	9.6 (24.5) / 6.9 (34.1) / 7.9 (29.8)
CO ₂ mass emission city / highway / combined, in g/km (g/mi)	222 (357.3) / 160 (257.5) / 183 (294.5)
Tire category 2: 21-inch	
Fuel consumption: city / highway / combined, in l/100 km (US mpg)	10.0 (23.5) / 7.3 (32.2) / 8.3 (28.3)
CO ₂ mass emission city / highway / combined, in g/km (g/mi)	231 (371.8) / 170 (273.6) / 193 (310.6)
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-	23 / 27 / 29
Weights / loads	
Unladen weight according to EU (excluding driver) / (including driver) / gross weight limit in kg (lb)	2030 (4475.4) / 2105 (4640.7) / 2910 (6415.5)
Axle load limit at front / rear in kg (lb)	1410 (3108) / 1675 (3692.7)
Trailer load limit on 8% / 12% gradient, braked / unbraked, in kg (lb)	Steel springs: 2800 (6172.9) / 2800 (6172.9) (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)	14.5 (3.8) (equipped with 4-zone air conditioning system) 13.2 (3.2) (equipped with 2-zone air conditioning system)
Engine oil capacity (including filter) in l (US qt)	6.95 (7.3)
Fuel tank capacity in l (US gal)	85 (22.5)
Body / dimensions	
Body type / number of doors / seats	Lightweight multimaterial body with aluminum components / 4 / 7
Drag coefficient Cd / frontal area A in m ² (sq ft)	Steel springs: 0.333 (air springs at highway level: 0.325) / 2.87 (30.9)
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)	770 (27.2) / 1955 (69.0)