

Technical Data - Audi Q7 3.0 TDI quattro tiptronic (200kW) (with seven seats)

Engine	
Engine type	V6 diesel engine with exhaust turbocharging
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 / at rpm	200 / 3250 – 4250
Max. torque in Nm / at rpm	600 / 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	EU6
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	Electromechanical steering with speed-dependent power assistance / 15.8 / 12.4
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 / tyres	8.5Jx19" with 255/55 R19 tyres
Performance / consumption /acoustics	
Top speed in km/h	234
Acceleration 0-100 km/h in s	6.5
Fuel / octane value	Diesel EN 590
Idling / drive-past exterior noise level in dB (A)	73 / 72
Consumption / emissions (according to tire size)	
As per ADR (81/02)	
Tire category 1: 19-inch to 20-inch	
Fuel consumption: city / highway / combined, in l/100km	6.4 / 5.6 / 5.9
CO2 emissions: city / highway / combined, in g/km	167 / 147 / 153
Tire category 2: 21-inch	
Fuel consumption: city / highway / combined, in l/100km	6.7 / 6 / 6.2
CO2 emissions: city / highway / combined, in g/km	174 / 157 / 163
Weight	
Unladen weight according to EU (excluding driver) / (including driver) / gross vehicle weight in kg	2060 / 2135 / 2940
Axle load limit at front / rear in kg	1420 / 1695
Trailer load limit on 8% / 12% gradient, braked / unbraked, in kg	3500 / 3500 / 750
Roof load limit / permissible nose weight in kg	Steel strings: 100 / 115 (air springs: 100 / 140)
Capacities	
Cooling system capacity (incl. heating) in l	13.4 (equipped with 4-zone air conditioning system) 12.1 (equipped with 2-zone air conditioning system)
Engine oil capacity (including filter) in l	8.0 (6.4)
Fuel tank capacity in l	85
Body / dimensions	
Body type / number of doors / seats	Lightweight multmaterial body with aluminium components / 4 / 7
Drag coefficient Cd / frontal area A in m ²	Steel springs: 0.325 (air springs at highway level: 0.316) / 2.86
Length / width excluding mirrors / height in mm	5052 / 1968 / 1741
Wheelbase / track at front/rear in mm	2994 / 1679 / 1691
Height of loading lip in mm	788
Luggage compartment volume / with rear seat bench folded in l	770 / 1955
Offroad properties	
Climbing ability in %	60
Ground clearance in mm	Steel suspension: 210 (air suspension: 245)
Fording depth in mm	Steel suspension: 500 (air suspension: 535)