

Technical Data - Audi Q7 3.0 TDI quattro

Model	Audi Q7 3.0 TDI quattro with diesel particulate filter
Engine / electrics	
Engine type	V6 diesel engine with turbocharger and common rail technology
Valve gear / number of valves per cylinder	Double overhead camshafts / 4
Displacement in cc / bore x stroke in mm / compression	2967 / 83.0 X 91.4 / 17 : 1
Max. power output in kW (bhp) / at rpm	171 (233) / 4000
Max. torque in Nm / at rpm	500 / 1750 – 2750
Engine management / mixture preparation	Common rail, TDI diesel direct injection
Exhaust emission control	Maintenance-free particulate filter (coated oxidising catalytic converter integrated into filter), controlled exhaust-gas recirculation
Emission category	EU 4
Alternator in A / battery in A/Ah	180 / 450 / 95
Drive / transmission	
Drive type	quattro permanent four-wheel drive with asymmetric/dynamic torque split and self-locking centre differential, electronic differential lock EDL at all wheels
Clutch	Hydraulic torque converter with lock-up clutch
Gearbox type	6-speed tiptronic with dynamic shift program DSP and sport program
Gear ratio in 1st gear / 2nd gear	4.148 / 2.37
Gear ratio in 3rd gear / 4th gear	1.556 / 1.155
Gear ratio in 5th gear / 6th gear	0.859 / 0.686
Reverse gear / final drive ratio	3.394 / 3.9
Running gear / steering / brakes	
Front suspension	Double-wishbone suspension with steering behind the axle, aluminium wishbones, subframe and anti-roll bar
Rear suspension	Double-wishbone suspension with separate upper control arms and track rod at rear, aluminium wishbones, subframe and anti-roll bar
Steering / steering ratio / turning circle in m (D102)	Rack-and-pinion power steering with variable steering ratio / 16.5 (centre position) / 12
Brake system, front / rear	Dual-circuit brake system with diagonal split; anti-lock braking system ABS with electronic brake-force distribution EBD, electronic differential lock EDL, traction control system ASR and electronic stabilisation program ESP
Wheels / tyres	Lightweight forged aluminium wheels, 7-hole design, size 7.5J x 18 / 235/60 R18
Performance / consumption / acoustics	
Maximum speed in km/h	210 (216 with adaptive air suspension)
Acceleration 0-100 km/h in sec	9.1
Fuel grade	Diesel according to EN 590
Fuel consumption: urban/extra urban/overall, l/100 km	14.6 / 8.3 / 10.5
CO ₂ mass emission, g/km	282
Standing / drive-past exterior noise level in dB (A)	81 / 72
Servicing / guarantee (Germany)	
Long-life service after a maximum of ... km	According to service indicator up to 30,000 km / max. 2 years ¹⁾
Vehicle/paint/rust perforation guarantee	2 years with unlimited mileage / 3 years / 12 years
Insurance classification in Germany	23 (third party) / 25 (fully comprehensive) / 27 (part-comprehensive)
Weights / loads	
Unladen weight in kg / gross weight limit in kg	2295 / 2990
Axle load limit at front / rear in kg	1525 / 1640
Trailer load limit on 8%/12% gradient, braked / unbraked in kg	3500 / 3500 / 750
Roof load limit in kg / permissible nose weight in kg	100 / 140
Capacities	
Cooling system capacity (incl. heating) in l	approx. 9
Engine oil capacity (incl. filter) in l	9.7
Fuel tank capacity in l	100
Body / dimensions	
Body type	Unitary steel body with aluminium add-on parts
Number of doors / seats	5 / 5 seats (6 or 7 seats as an option)
Drag coefficient c _d / frontal area A in m ²	0.37 (0.35 with adaptive air suspension) / 2.87
Length (L103) / width excl. mirrors (W103) / height (H100), mm	5086 / 1983 / 1737 (1697 - 1772 with adaptive air suspension)
Wheelbase (L101) / track at front/rear (W101/W102), mm	3002 / 1651 / 1676
Height of loading lip in mm (H196)	836 (765 with adaptive air suspension at load level)
Luggage capacity in l, acc. to VDA block method (V211)	775 / 2035

1) depending on driving style and operating conditions

all details apply to a 5-seater vehicle