

Technical Data – Audi Q7 e-tron 3.0 TDI quattro S tronic (190 kW) (with five seats)

Program for Germany

Status: November 2015

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	190 / 3250 – 4500
Max. torque in Nm (<i>lb-ft</i>) / at rpm	600 (442.5) / 1250 – 3000
Mixture preparation	Common rail injection system 2000 bar with piezo injectors
Exhaust emission control	Close-coupled combined system comprising NOx adsorber catalyst and maintenance-free diesel particulate filter with SCR coating
Emissions class	EU 6
Alternator in A / battery in A/Ah	DC/DC converter 210 / 520/92
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 automatic transmission with tiptronic function
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
	0.839 / 0.667
Reverse gear / final drive ratio	3.317 / 2.848
Suspension / steering / brakes	
Front suspension	Independent suspension, five-link axle with front track rod, aluminum transverse link, subframe and anti-roll bar
Rear suspension	Independent suspension, five-link axle with rear track rod, subframe and anti-roll bar
Steering / steering ratio / turning circle in m (D102) (<i>ft</i>)	Electromechanical steering with speed-dependent power assistance / 15.8 / 12.4 (40.7)
Brake system	Dual circuit brake system split between axles (black/white brake circuit split), antilock brake system ABS with electronic brake-force distribution EBD, electronic differential lock EDL, traction control ASR, Electronic Stabilization Control ESC
Wheels / tires	8.5Jx19" wheels (standard) / 255/55 R19 tires (standard)
Performance / consumption / acoustics	
Top speed in km/h (<i>mph</i>)	Hybrid mode: 230 (142.9) Electric mode: 135 (83.9)
Acceleration in seconds	Hybrid mode (0-100 km/h [62.1 <i>mph</i>]): 6.2 Electric mode (0-60 km/h [37.3 <i>mph</i>]): 6.5
Fuel / octane value	SAE 0W-30 low ash content
Idling / drive-past exterior noise level in dB (A)	73 / 72
Consumption / emissions (according to tire size)	
Tire category 1	
Fuel consumption: combined, in l/100 km (<i>US mpg</i>)	255/55 R19 V Rowi, I31 1.8 (130.7) electrical energy consumption: 181 Wh/km electric range: 56 km (34.8 <i>mi</i>)
CO ₂ mass emission combined, in g/km (<i>g/mi</i>)	48 (77.2)
Tire category 2	
Fuel consumption: combined, in l/100 km (<i>US mpg</i>)	285/45 R20 H7A oder 285/40 R21 H7M 1.9 (123.8) electrical energy consumption: 190 Wh/km electric range: 54 km (33.6 <i>mi</i>)
CO ₂ mass emission combined, in g/km (<i>g/mi</i>)	50 (80.5)
Hybrid drive	
Electrical power output in kW briefly	94 at 2600 rpm
Electrical torque output in Nm (<i>lb-ft</i>) briefly	350 (258.1) at 2550 rpm
Total system power output in kW briefly	275
Total system torque output in Nm (<i>lb-ft</i>) briefly	700 (516.3)
Battery type	Lithium-ion
Battery energy content in kWh	17.3
Servicing / guarantee (Germany)	
Service inspection after max. km (<i>mi</i>)	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-comprehensive	23 / 27 / 29
Weights / loads	
Unladen weight according to EU (excluding driver) / (including driver) / gross weight limit in kg (<i>lb</i>)	2445 (5390.3) / 2520 (5555.6) / 3185 (7021.7)
Axle load limit at front / rear in kg (<i>lb</i>)	1550 (3417.2) / 1750 (3858.1)
Trailer load limit on 8% / 12% gradient, braked / unbraked in kg (<i>lb</i>)	2800 (6172.9) (3500 [7716.2]) / 2800 (6172.9) (3500 [7716.2]) / 750 (1635.5)
Roof load limit / permissible nose weight in kg (<i>lb</i>)	100 (220.5) / 115 (253.5) (100 [220.5]) / 140 (308.6)
Capacities	
Cooling system capacity (incl. heating) in l (<i>US gal</i>)	High-temperature cooling circuit 11.5 (3.0) Low-temperature cooling circuit 8.4 (2.2)
Engine oil capacity (including filter) in l (<i>US qt</i>)	8.0 (8.5) (6.4 [6.8])
Fuel tank capacity in l (<i>US gal</i>)	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 (<i>sq ft</i>)	Steel springs: 0.339 (air springs at highway level: 0.330) / 2.86 (30.8)
Length (L103) / width excluding mirrors (W103) / height (H101-M) in mm (<i>ft</i>)	5051 (16.6) / 1968 (6.5) / 1741 (5.7) (steel springs suspension)
Wheelbase (L101) / track at front/rear (W101-1/W101-2) in mm (<i>ft</i>)	2994 (9.8) / 1663 (5.46) / 1675 (5.50) (steel springs suspension)
Height of loading lip (H196) in mm (<i>ft</i>)	788 (2.6) (steel springs suspension)
Luggage capacity / with rear seat bench folded in l (<i>cu ft</i>)	650 (23.0) / 1835 (64.8)