

Audi Q7 SUV



TFSI e quattro tiptronic 290 kW

Engine / electrics

Engine type	V6 engine
Valve gear / number of valves per cylinder	Roller cam follower, continuous intake and exhaust camshaft adjustment, hydraulic valve-play compensation / 2/2 inlet/exhaust valves per cylinder
Displacement in cc / bore x stroke in mm / compression	2995 / 84.5 x 89.0 / 11.2
Max. power output in kW (PS) / at rpm	250 (340) / 5200 - 6400
Max. torque in Nm (<i>lb-ft</i>) / at rpm	500 (368.8) / 1340 - 4500
Mixture preparation	Direct injection, lambda control, knock control, turbocharger, intercooler
Exhaust emission control	Catalytic converter, oxygen sensor, gasoline particulate filter
Emission standard	Euro 6e
Charging time AC 0-100%, 3ph 16A@230V in min	225
Max. charging capacity AC in kW	7.4
Max. electrical output at 12V in kW	3
On-board voltage 1 in volts	12
Voltage level of the HV battery in volts	400

Hybrid

Battery type (high-voltage) / number of cells	Lithium-Ion / 102
Gross / net battery capacity in kWh	25.9 / 22.0
Max. system output in kW (PS)	290 (394)
Peak electrical output in kW	130
Continuous electrical output in kW	70
Total system torque output in Nm (<i>lb-ft</i>)	600 (442.5)
Electrical torque output in Nm (<i>lb-ft</i>)	460 (339.3)

Drivetrain / transmission

Drive type	quattro permanent all-wheel drive with self-locking center differential
Clutch	Hydraulic torque converter with lock-up clutch
Transmission type	8-speed tiptronic
Transmission ratio in 1 st /2 nd gear	4.714 / 3.143
Transmission ratio in 3 rd /4 th gear	2.106 / 1.667
Transmission ratio in 5 th /6 th gear	1.285 / 1.000
Transmission ratio in 7 th /8 th gear	0.839 / 0.667
Reverse gear ratio / final drive ratio 1-2 / 2-3	-3.317 / 3.204 / -

Suspension / steering / brakes

Type and design of front-axle suspension	5-link front axle
Type and design of rear-axle suspension	5-link rear axle
Wheels (basic) // Tires (basic)	Cast aluminum flow forming 8.5 J x 19 // 255 / 55 R 19
Steering	Electromechanical steering with speed-dependent power assistance
Steering ratio	15.8
Turning circle in m (<i>ft</i>)	12.5 (41.0)
Brake system	Dual-circuit brake system with black/white split for front/rear axles; front: aluminum fixed calipers; rear: floating calipers with integrated electronic parking brake
Brake disk diameter front / rear in mm (<i>in</i>)	400 / 350 (15.7 / 13.8)

Performance / range

Top speed / electrical in km/h (<i>mph</i>)	240 (149.1) (limited) / 140 (87.0)
System acceleration, 0-100 km/h (0-62.1 <i>mph</i>)	5.7
Electrical range, City (EAER) in km (<i>mi</i>)	84 - 90 (52.2 - 55.9)
Electrical range, combined (EAER) in km (<i>mi</i>)	80 - 84 (49.7 - 52.2)
Fuel type / octane value / fuel standard	Electricity / Gasoline / 95 / DIN EN 228

Consumption / emission*

Electric power consumption, weighted combined in kWh/100 km (62.1 <i>mi</i>)	29.1 - 27.8
Fuel consumption, weighted combined in l/100 km (<i>US mpg</i>)	1.4 - 1.2 (168.0 - 196.0)
Fuel consumption with discharged battery combined in l/100 km (<i>US mpg</i>)	10.5 - 9.8 (22.4 - 24.0)
CO ₂ emissions, weighted combined, in g/km (<i>g/mi</i>)	33 - 28 (53.1 - 45.1)
CO ₂ class, weighted combined	B
CO ₂ class with discharged battery	G

Servicing / guarantee (Germany)

Service interval	30,000 km (18,641.1 <i>mi</i>) / 2 years, whichever comes first
Vehicle / paint / rust perforation guarantee	2 / 3 / 12 Jahre
Insurance classification in Germany: third party / fully comprehensive / part-comprehensive	22 / 27 / 28

Weights / loads

Unladen weight without driver / with driver / gross weight limit in kg (<i>lb</i>)	2385 / 2460 / 3100 (5258.0 / 5423.4 / 6834.3)
Front / rear axle load limit in kg (<i>lb</i>)	1510 / 1700 (3329.0 / 3747.9)
Trailer load limit on 8% / 12% gradient, braked // unbraked in kg (<i>lb</i>)	2800 / 2800 // 750 (6172.9 / 6172.9 // 1653.5)
Trailer load limit on 8% / 12% gradient, braked optional in kg (<i>lb</i>)	3500 / 3500 (7716.2 / 7716.2)
Roof load limit / permissible nose weight in kg (<i>lb</i>)	100 / 115 (220.5 / 253.5)
Permissible nose weight optional in kg (<i>lb</i>)	140 (308.6)

Capacities

Cooling system capacity (incl. heating) in l (<i>US gal</i>)	17.4 (4.6)
Engine oil capacity, including filter (change volume) in l (<i>US qt</i>)	7,2 (7.6)
Fuel tank capacity / optional in l (<i>US gal</i>)	85 (22.5) / -

Dimensions** / body	
Body type / number of doors / number of seats	Unitary steel/aluminum composite construction / 5 / 5
Drag coefficient C_d / frontal area A in m ² (sq ft)	0.36 / 2.87 (30.9)
Vehicle height from - to in mm (ft)	1690 - 1748 (5.5 - 5.7)
Vehicle length from - to in mm (ft)	5072 - 5072 (16.6 - 16.6)
Vehicle width, without mirrors, from - to in mm (ft)	1970 - 1970 (6.5 - 6.5)
Vehicle width, including mirrors, in mm (ft)	2212 (7.3)
Wheelbase (full load) from - to // track width front/rear in mm (ft)	2999 - 3005 // 1673 / 1685 (9.8 - 9.9 // 5.5 / 5.5)
Overhang angle, front / rear in degrees	23.1 / 21.7
Height of loading edge from - to in mm (ft)	746 - 790 (2.4 - 2.6)
Luggage compartment behind the 2 nd seat row in l (cu ft)	563 (19.9)
Largest luggage capacity behind the 1 st seat row in l (cu ft)	1863 (65.8)

*Information on fuel/power consumption and CO₂ emissions in ranges depending on the chosen equipment level of the car.

**Value range taking into account different chassis and equipment lines in relation to the basic model.