

Audi Q8



45 TDI quattro tiptronic 170 kW MHEV

Engine / electrics

Engine type	V6 engine
Valve gear / number of valves per cylinder	Roller cam follower, overhead camshafts, hydraulic valve-play compensation / 2/2 inlet/exhaust valves per cylinder
Displacement in cc / bore x stroke in mm / compression	2967 / 83.0 x 91.4 / 16.0
Max. power output in kW (PS) / at rpm	170 (231) / 3500 - 5000
Max. torque in Nm (<i>lb-ft</i>) / at rpm	500 (368.8) / 1500 - 3000
Mixture preparation	Common rail fuel injection system, intercooler
Exhaust emission control	NOx oxidizing catalytic converter, diesel particulate filter, exhaust gas recirculation, SCR catalytic converter
Emission standard	Euro 6d-ISC-FCM
Max. electrical output at 12V in kW	3
On-board voltage 1 in volts	12
On-board voltage 2 in volts	48

Drivetrain / transmission

Drive type	quattro permanent all-wheel drive with self-locking center differential
Type of rear axle differential	Standard
Clutch	Hydraulic torque converter with lock-up clutch
Transmission type	8-speed tiptronic
Transmission ratio in 1 st /2 nd gear	5.000 / 3.200
Transmission ratio in 3 rd /4 th gear	2.143 / 1.720
Transmission ratio in 5 th /6 th gear	1.313 / 1.000
Transmission ratio in 7 th /8 th gear	0.823 / 0.640
Reverse gear ratio / final drive ratio 1-2 / 2-3	-3.478 / 3.204 / 1.000

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
Tires (basic)	265/55 R 19
Wheels (basic)	Forged aluminum 8.5 J x 19
Steering	Electromechanical progressive steering with speed-dependent power assistance
Steering ratio	14.6
Turning circle in m (<i>ft</i>)	13.3 (43.6)
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>)	375 / 350 (14.8 / 13.0)

Performance / fuel / acoustics

Top speed in km/h (<i>mph</i>)	226 (140.4)
Acceleration, 0-100 km/h (0-62.1 <i>mph</i>)	7.1
Fuel type / octane value / fuel standard	Diesel / DIN EN 590

Consumption / emission*

Efficiency class	B
Fuel consumption, urban / extra-urban / combined according to NEDC in l/100 km (US mpg)	8.8 - 8.5 (26.7 - 27.7) / 6.3 - 5.9 (37.3 - 39.9) / 7.2 - 6.9 (32.7 - 34.1)
CO ₂ emissions, combined according to NEDC in g/km (g/mi)	190 - 182 (305.8 - 292.9)

Servicing / guarantee (Germany)

Service interval	30,000 km (18,641.1 mi) / 2 years, whichever comes first
Vehicle / paint / rust perforation guarantee	2 / 3 / 12 years
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 (lb)	2160 (4762.0) / 2235 (4927.3) / 2890 (6371.4)
Unladen weight without driver / with driver / gross weight limit optional in kg (lb)	2170 (4784.0) / 2245 (4949.4) / 2900 (6393.4)
Front / rear axle load limit in kg (lb)	1475 (3251.8) / 1530 (3373.1)
Trailer load limit on 8% / 12% gradient, braked // unbraked in kg (lb)	2800 (6172.9) / 2800 (6172.9) // 750 (1653.5)
Trailer load limit on 8% / 12% gradient, braked optional in kg (lb)	3500 (7716.2) / 3500 (7716.2)
Roof load limit / permissible nose weight in kg (lb)	100 (220.5) / 115 (253.5)
Permissible nose weight optional in kg (lb)	140 (308.6)

Capacities

Cooling system capacity (incl. heating) in l (US gal)	16.9 (4.5)
Engine oil capacity, including filter (change volume) in l (US qt)	6.1 (6.4)
Fuel tank capacity / optional in l (US gal)	75 (19.8) / 85 (22.5)
AdBlue fuel tank capacity / optional in l (US gal)	24 (6.3) / -

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)	0.35 / 2.84 (30.6)
Standard dimensions (length / width excluding mirrors / height with steel springs / air springs) in mm (ft)	4986 (16.4) / 1995 (6.5) / 1705 (5.6) / -
Vehicle width, including mirrors, in mm (in)	2190 (7.2)
Wheelbase // track width front/rear in mm (ft)	2995 (9.8) // 1679 (5.51) / 1691 (5.55)
Overhang angle of steel springs, front / rear in degrees	17.10 / 24.10
Height of loading edge in mm (ft)	820 (2.7)
Open luggage compartment - behind the 2 nd seat row in l (cu ft)	605 (21.4)
Largest luggage capacity - behind the 1 st seat row in l (cu ft)	1755 (62.0)

*Fuel consumption and CO₂ emission figures given in ranges depend on the tires/wheels used