

Technical Data	Q8 45 TDI quattro tiptronic 170 kW
Program for Germany	Status: 02/18/2019
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 (hp) / at rpm	170 (231) / 3250 - 4750
Max. torque in Nm (lb-ft) / at rpm	500 (368.8) / 1750 - 3250
Mixture preparation	Common rail fuel injection system
Exhaust emission control	Oxidizing catalytic converter, diesel particulate filter, exhaust gas recirculation, SCR catalytic converter
Emissions standard	EU6
Start-stop / REM	yes / yes
Battery in A / Ah	380 / 68
Max. electrical output at 12V in kilowatts	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 center differential	Self-locking
Type of rear axle differential	Standard
Clutch	Hydraulic torque converter with lock-up clutch
Transmission type	8-speed tiptronic / automatic
Transmission ratio in 1st/2nd gear	5.000 / 3.200
Transmission ratio in 3rd/4th gear	2.143 / 1.720
Transmission ratio in 5th/6th gear	1.313 / 1.000
Transmission ratio in 7th/8th gear	0.823 / 0.640
Reverse gear ratio / final drive ratio 1-2	3.478 / 3.204
Suspension / steering / brakes	
Type and design of front-axle suspension	Five-link front suspension; tubular anti-roll bar
Type and design of rear-axle suspension	Five-link rear suspension; tubular anti-roll bar
Steering	Electromechanical steering with speed-dependent power assistance
Steering ratio min. / max.	14.6 / 14.6
Steering ratio min. / max. optional	13.3 / 13.3
Turning circle / turning circle optional in m (ft)	13.3 / not available
Brake control system	Dual-circuit brake system with black/white split for front/rear axles; ESC/ABS/EBD; brake booster, hydraulic brake assist
Tires (basic)	265/55 R 19 113 Y XL (Extra Load)
Wheels (basic)	Forged aluminum 8.5Jx19"

Performance / acoustics	
Top speed in km/h (<i>mph</i>)	233 (144.8)
Limited	No
Acceleration, 0-100 km/h (0-62.1 <i>mph</i>)	7.1
Fuel type / octane value	Diesel / not available
Fuel standard	DIN EN 590
Exterior noise level when stationary / drive-past as per ECE R51.02 / drive-past as per ECE R51.03 in db (A)	69.6 / 69 / 69
Consumption / emissions*	
Fuel consumption, urban/extra-urban/combined in liters per 100 kilometers (<i>US mpg</i>)	7.2-7.0 (32.7-33.6) / 6.4-6.1 (36.8-38.6) / 6.7-6.4 (35.1-36.8)
CO ₂ emissions combined in grams per kilometer (<i>g/mi</i>)	176-169 (283.2-272.0)
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 (years)
Insurance classification in Germany: third party / fully comprehensive / part-comprehensive	21 / 27 / 29
Weights / loads	
Unladen weight without driver / with driver / gross weight limit in kg (<i>lb</i>)	2145 (4728.9) / 2220 (4894.3) / 2890 (6371.4)
Front/rear axle load limit in kg (<i>lb</i>)	1475 (3251.8) / 1530 (3373.1)
Trailer load limit on 8% / 12% gradient, braked // unbraked in kg (<i>lb</i>) (with standard suspension)	2800 (6172.9) / 2800 (6172.9) // 750 (1653.5)
Trailer load limit on 8% / 12% gradient, braked // unbraked in kg (<i>lb</i>) (with adaptive air suspension)	3500 (7716.2) / 3500 (7716.2)
Roof load limit / permissible nose weight in kg (<i>lb</i>)	100 (220.5) / 115 (253.5)
Permissible nose weight in kg (<i>lb</i>) (with adaptive air suspension)	140 (308.6)
Capacities	
Cooling system capacity (incl. heating) in liters (<i>US gal</i>)	12.3 (3.2)
Engine oil capacity, including filter (change volume) in liters (<i>US qt</i>)	6.1 (6.4)
Fuel tank capacity in liters (<i>US gal</i>)	75 (19.8)
Optional fuel tank capacity in liters (<i>US gal</i>)	85 (22.5)
AdBlue fuel tank capacity in liters (<i>US gal</i>)	24 (6.3)
Dimensions / body	
Body type / number of doors	Unitary steel/aluminum composite construction / 5
Number of seats	5
Drag coefficient Cd / frontal area A in m ² (<i>sq ft</i>)	0.34 / 2.84 (30.6)
Standard dimensions (length / width excluding mirrors / height with steel springs / height with air springs) in mm (<i>ft</i>)	4986 (16.4) / 1995 (6.5) / 1705 (5.6) / 1705 (5.6)
Width including mirrors in mm (<i>ft</i>)	2190 (7.2)
Wheelbase / track width front/rear in mm (<i>ft</i>)	2995 (9.8) / 1679 (5.5) / 1691 (5.6)
Overhang angle of steel springs, front/rear in degrees	16.6 / 22.2
Overhang angle of air springs, front/rear in degrees	22.1 / 23.8
Height of loading edge with steel springs / air springs in mm (<i>ft</i>)	820 (2.7) / 820 (2.7)
Luggage capacity behind 2nd seat bench in l (<i>cu ft</i>)	605 (21.4)
Largest luggage compartment capacity - behind the 1st seat row in l (<i>cu ft</i>)	1755 (62.0)

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

Technical Data	Q8 50 TDI quattro tiptronic 210 kW
Program for Germany	Status: 02/18/2019
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 (hp) / at rpm	210 (286) / 3500 - 4000
Max. torque in Nm (lb-ft) / at rpm	600 (442.5) / 2250 - 3250
Mixture preparation	Common rail fuel injection system
Exhaust emission control	Oxidizing catalytic converter, diesel particulate filter, exhaust gas recirculation, SCR catalytic converter
Emissions standard	Emissions concept, EU6 AG/H/I
Start-stop / REM	yes / yes
Battery in A / Ah	380 / 68
Max. electrical output at 12V in kilowatts	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 center differential	Self-locking
Type of rear axle differential	Standard
Clutch	Hydraulic torque converter with lock-up clutch
Transmission type	8-speed tiptronic / automatic
Transmission ratio in 1st/2nd gear	5.000 / 3.200
Transmission ratio in 3rd/4th gear	2.143 / 1.720
Transmission ratio in 5th/6th gear	1.313 / 1.000
Transmission ratio in 7th/8th gear	0.823 / 0.640
Reverse gear ratio / final drive ratio 1-2	3.478 / 3.204
Suspension / steering / brakes	
Type and design of front-axle suspension	Five-link front suspension; tubular anti-roll bar
Type and design of rear-axle suspension	Five-link rear suspension; tubular anti-roll bar
Steering	Electromechanical steering with speed-dependent power assistance
Steering ratio min. / max.	14.6 / 14.6
Steering ratio min. / max. optional	13.3 / 13.3
Turning circle / turning circle optional in m (ft)	13.3 / not available
Brake control system	Dual-circuit brake system with black/white split for front/rear axles; ESC/ABS/EBD; brake booster, hydraulic brake assist
Basic tires	265/55 R19
Wheels	Forged aluminum 8.5Jx19"

Performance / acoustics	
Top speed in km/h (<i>mph</i>)	245 (152.2)
Limited	No
Acceleration, 0-100 km/h (0-62.1 <i>mph</i>)	6.3
Fuel type / octane value	Diesel / not available
Fuel standard	DIN EN 590
Exterior noise level when stationary / drive-past as per ECE R51.02 / drive-past as per ECE R51.03 in db (A)	69.6 / 69 / 69
Consumption / emissions*	
Fuel consumption, urban/extra-urban/combined in liters per 100 kilometers (<i>US mpg</i>)	7.3-7.0 (32.2-33.6) / 6.5-6.4 (36.2-36.8) / 6.8-6.6 (34.6-35.6)
CO ₂ emissions combined in grams per kilometer (<i>g/mi</i>)	179-172 (288.1-176.8)
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 (years)
Insurance classification in Germany: third party / fully comprehensive / part-comprehensive	21 / 27 / 29
Weights / loads	
Unladen weight without driver / with driver / gross weight limit in kg (<i>lb</i>)	2145 (4728.9) / 2220 (4894.3) / 2890 (6371.4)
Front/rear axle load limit in kg (<i>lb</i>)	1475 (3251.8) / 1530 (3373.1)
Trailer load limit on 8% / 12% gradient, braked // unbraked in kg (<i>lb</i>) (with standard suspension)	2800 (6172.9) / 2800 (6172.9) // 750 (1653.5)
Trailer load limit on 8% / 12% gradient, braked // unbraked in kg (<i>lb</i>) (with adaptive air suspension)	3500 (7716.2) / 3500 (7716.2)
Roof load limit / permissible nose weight in kg (<i>lb</i>)	100 (220.5) / 115 (253.5)
Permissible nose weight in kg (<i>lb</i>) (with adaptive air suspension)	140 (308.6)
Capacities	
Cooling system capacity (incl. heating) in liters (<i>US gal</i>)	12.3 (3.2)
Engine oil capacity, including filter (change volume) in liters (<i>US qt</i>)	6.1 (6.4)
Fuel tank capacity in liters (<i>US gal</i>)	75 (19.8)
Optional fuel tank capacity in liters (<i>US gal</i>)	85 (22.5)
AdBlue fuel tank capacity in liters (<i>US gal</i>)	24 (6.3)
Dimensions / body	
Body type / number of doors	Unitary steel, aluminum composite construction / 5
Number of seats	5
Drag coefficient Cd / frontal area A in m ² (<i>sq ft</i>)	0.34 / 2.84 (30.6)
Standard dimensions (length / width excluding mirrors / height with steel springs / height with air springs) in mm (<i>ft</i>)	4986 (16.4) / 1995 (6.5) / 1705 (5.6) / 1705 (5.6)
Width including mirrors in mm (<i>ft</i>)	2190 (7.2)
Wheelbase / track width front/rear in mm (<i>ft</i>)	2995 (9.8) / 1679 (5.5) / 1691 (5.6)
Overhang angle of steel springs, front/rear in degrees	16.6 / 22.2
Overhang angle of air springs, front/rear in degrees	22.1 / 23.8
Height of loading edge with steel springs / air springs in mm (<i>ft</i>)	820 (2.7) / 820 (2.7)
Luggage capacity behind 2nd seat bench in l (<i>cu ft</i>)	605 (21.4)
Largest luggage compartment capacity - behind the 1st seat row in l (<i>cu ft</i>)	1755 (62.0)

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

Technical Data	Q8 55 TFSI quattro tiptronic 250 kW
Program for Germany	Status: 02/18/2019
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 (hp) / at rpm	250 (340) / 5000 - 6400
Max. torque in Nm (lb-ft) / at rpm	500 (368.8) / 1370 - 4500
Mixture preparation	Direct injection, lambda control, knock control, turbocharger, intercooler
Exhaust emission control	Catalytic converter, oxygen sensor, gasoline particulate filter
Emissions standard	EU6
Start-stop / REM	yes / yes
Battery in A / Ah	380 / 68
Max. electrical output at 12V in kilowatts	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 center differential	Self-locking
Type of rear axle differential	Standard
Clutch	Hydraulic torque converter with lock-up clutch
Transmission type	8-speed tiptronic / automatic
Transmission ratio in 1st/2nd gear	5.000 / 3.200
Transmission ratio in 3rd/4th gear	2.143 / 1.720
Transmission ratio in 5th/6th gear	1.313 / 1.000
Transmission ratio in 7th/8th gear	0.823 / 0.640
Reverse gear ratio / final drive ratio 1-2	3.478 / 3.504
Suspension / steering / brakes	
Type and design of front-axle suspension	Five-link front suspension; tubular anti-roll bar
Type and design of rear-axle suspension	Five-link rear suspension; tubular anti-roll bar
Steering	Electromechanical steering with speed-dependent power assistance
Steering ratio min. / max.	14.6 / 14.6
Turning circle / turning circle optional in m (ft)	13.3 / not available
Brake control system	Dual-circuit brake system with black/white split for front/rear axles; ESC/ABS/EBD; brake booster, hydraulic brake assist
Tires (basic)	265/55 R 19 113 Y XL (Extra Load)
Wheels (basic)	Forged aluminum 8.5Jx19"

Performance / acoustics	
Top speed in km/h (<i>mph</i>)	250 (155.3)
Limited	Yes
Acceleration, 0-100 km/h (0-62.1 <i>mph</i>)	5.9
Fuel type / octane value	Gasoline / 95
Fuel standard	Premium sulfur-free according to DIN EN 228
Exterior noise level when stationary / drive-past as per ECE R51.02 / drive-past as per ECE R51.03 in db (A)	78.5 / 65 / 67
Consumption / emissions*	
Fuel consumption, urban/extra-urban/combined in liters per 100 kilometers (<i>US mpg</i>)	11.6-11.4 (20.3-20.6) / 7.7-7.4 (30.5-31.8) / 9.1-8.9 (25.8-26.4)
CO ₂ emissions combined in grams per kilometer (<i>g/mi</i>)	207-202 (333.1-325.1)
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 (years)
Insurance classification in Germany: third party / fully comprehensive / part-comprehensive	21 / 27 / 29
Weights / loads	
Unladen weight without driver / with driver / gross weight limit in kg (<i>lb</i>)	2095 (4618.7) / 2170 (4784.0) / 2820 (6217.0)
Front/rear axle load limit in kg (<i>lb</i>)	1445 (3251.8) / 1490 (-)
Trailer load limit on 8% / 12% gradient, braked // unbraked in kg (<i>lb</i>) (with standard suspension)	2700 (5952.5) / 2700 (5952.5) // 750 (1653.5)
Trailer load limit on 8% / 12% gradient, braked // unbraked in kg (<i>lb</i>) (with adaptive air suspension)	3500 (7716.2) / 3500 (7716.2)
Roof load limit / permissible nose weight in kg (<i>lb</i>)	100 (220.5) / 115 (253.5)
Permissible nose weight in kg (<i>lb</i>) (with adaptive air suspension)	140 (308.6)
Capacities	
Cooling system capacity (incl. heating) in liters (<i>US gal</i>)	13.7 (3.6)
Engine oil capacity, including filter (change volume) in liters (<i>US qt</i>)	7.6 (8.0)
Fuel tank capacity in liters (<i>US gal</i>)	85 (22.5)
Dimensions / body	
Body type / number of doors	Unitary steel/aluminum composite construction / 5
Number of seats	5
Drag coefficient Cd / frontal area A in m ² (<i>sq ft</i>)	0.33 / 2.84 (30.6)
Standard dimensions (length / width excluding mirrors / height with steel springs / height with air springs) in mm (<i>ft</i>)	4986 (16.4) / 1995 (6.5) / 1705 (5.6) / 1705 (5.6)
Width including mirrors in mm (<i>ft</i>)	2190 (7.2)
Wheelbase / track width front/rear in mm (<i>ft</i>)	2995 (9.8) / 1679 (5.5) / 1691 (5.6)
Overhang angle of steel springs, front/rear in degrees	16.6 / 22.2
Overhang angle of air springs, front/rear in degrees	22.1 / 23.8
Height of loading edge with steel springs / air springs in mm (<i>ft</i>)	820 (2.7) / 820 (2.7)
Luggage capacity behind 2nd seat bench in l (<i>cu ft</i>)	605 (21.4)
Largest luggage compartment capacity - behind the 1st seat row in l (<i>cu ft</i>)	1755 (62.0)

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