

Technical Data		A6 Avant 45 TDI (3.0) quattro tiptronic 170 kW (MHEV)
Program for Germany	Status: 6/12/2018	
Engine / electronics		
Engine type	V 6 engine	
Valve gear / number of valves per cylinder	Roller cam followers, overhead camshafts, hydraulic valve-play compensation / 2/2 inlet/exhaust valves per cylinder	
Displacement in cm ³ / 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	
Emissions standard	EU6	
Start-stop / REM	yes / yes	
Battery in A / Ah	420 / 70	
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 transmission ratio / final drive ratio 1-2	3.478 / 2.624	
Suspension / steering / brakes		
Type and design of front axle suspension	Five-link front axle; tubular anti-roll bar	
Type and design of rear axle suspension	Five-link rear axle; tubular anti-roll bar	
Steering	Electromechanical steering with speed-dependent power assistance	
Steering ratio min. / max.	9.4 / 15.9	
Optional steering ratio min. / max.	9.6 / 16.4	
Turning circle / optional turning circle in m (ft)	12.1 (39.7) / 11.1 (36.4)	
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)	225/55 R18 102Y	
Wheels (basic)	Cast aluminum 8.0Jx18"	
Performance / consumption / acoustics		
Top speed in km/h (mph)	250 (155.3)	
Governed	yes	
Acceleration, 0-100 km/h (0-62.1 mph)	6.5	
Fuel / octane value	Diesel / -	
Fuel standard	DIN EN 590	
Exterior noise level when stationary / passing as per ECE R51.02 / passing as per ECE R51.03 in db (A)	67.8 / 71 / 70	
Fuel consumption / emissions (according to tire size)		
Tire package A		
Tire package A: designation	225/55 R18 102Y Rowi (J62)	
Tire package A fuel consumption, urban/extra-urban/combined in liters per 100 kilometers (US mpg)	6.3 (37.3) / 5.3 (44.4) / 5.7 (41.3)	
Tire package A CO2 emissions urban/extra-urban/combined in grams per kilometer (g/mi)	163 (262.3) / 138 (222.1) / 147 (236.6)	
Tire package B		
Tire package B: designation	245/45 R19 102Y (H2X), 225/60 R17 99Y (I53), 225/55 R18 102Y (I54), 225/55 R18 102V (I95)	
Tire package B fuel consumption, urban/extra-urban/combined in liters per 100 kilometers (US mpg)	6.4 (36.8) / 5.4 (43.6) / 5.8 (40.6)	
Tire package B CO2 emissions urban/extra-urban/combined in grams per kilometer (g/mi)	167 (268.8) / 142 (228.5) / 151 (243.0)	
Tire package C		
Tire package C: designation	255/40 R20 101Y (HH1), 255/35 R21 98Y (I56)	
Tire package C fuel consumption, urban/extra-urban/combined in liters per 100 kilometers (US mpg)	6.5 (36.2) / 5.6 (42.0) / 5.9 (39.9)	
Tire package C CO2 emissions urban/extra-urban/combined in grams per kilometer (g/mi)	170 (273.6) / 146 (235.0) / 155 (249.4)	

Servicing / guarantee (Germany)

Service interval (mi)	30,000 km (18,641.1) / 2 years, whichever comes first
Vehicle / paint / rust perforation guarantee	2 / 3 / 12 (years)
Weights / loads	
Unladen weight without driver / with driver / gross weight limit in kg (lb)	1890 (4166.7) / 1965 (4332.1) / 2560 (5643.8)
Axle load limit at front/rear in kg (lb)	1255 (2766.8) / 0
Axle load limit min. / max. in kg (lb)	1395 (3075.4) / 1420 (3130.6)
Trailer load limit on 8% / 12% gradient, braked // unbraked in kg (lb)	2000 (4409.2) / 2000 (4409.2) // 750 (1653.5)
Roof load limit / permissible nose weight in kg (lb)	100 (220.5) / 95 (209.4)
Capacities	
Cooling system capacity (incl. heating) in liters (US gal)	11.6 (3.1)
Engine oil capacity, including filter (change volume) in liters (US qt)	6.1 (6.4)
Fuel tank capacity in liters (US gal)	63 (16.6)
Optional fuel tank capacity in liters (US gal)	73 (19.3)
adblue tank capacity in liters (US gal)	12 (3.2)
Optional adblue tank capacity in liters (US gal)	22 (5.8)
Dimensions / body	
Body type / number of doors	Unitary steel/aluminum composite construction / 5
Number of seats	5 seats
Drag coefficient Cd / frontal area A in m ² (sq ft)	0.28 / 2.33 (25.1)
Standard dimensions (length / width excluding mirrors / height with steel springs / height with air springs) in mm (ft)	4939 (16.2) / 1886 (6.2) / 1494 (4.9) / -
Width including mirrors in mm (ft)	2110 (6.9)
Wheelbase / track width front/rear in mm (ft)	2924 (9.6) / 1630 (5.35) / 1617 (5.31)
Overhang angle of steel springs front/rear in degrees	11.80 / 14.90
Height of loading lip with steel springs / air springs in mm (ft)	632 (2.1) / -
Luggage capacity behind 2nd seat bench, open / closed in l (cu ft)	Not available / 565 (20.0)