

<b>Technical Data</b>		<b>Audi S8 TFSI quattro tiptronic (420 kW)</b>	
<b>Program for Germany</b>		<b>Status: November 11, 2019</b>	
<b>Engine / electrics</b>			
Engine type		V8 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		3996 / 86.0 x 86.0 / 10.1	
Max. power output in kW (PS) / rpm		420 (571) / 6000 - 6000	
Max. torque in Nm ( <i>lb-ft</i> ) / at rpm		800 (590.0) / 2000 - 4500	
Mixture preparation		Direct injection, lambda control, knock control, turbocharger, intercooler	
Exhaust emission control		Catalytic converter, oxygen sensor, gasoline particulate filter	
Emissions standard		EU 6	
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	
<b>Drivetrain / transmission</b>			
Drive type		quattro permanent all-wheel drive with self-locking center	
Type of center differential		Self-locking	
Type of rear axle differential		quattro sport	
Clutch		Hydraulic torque converter with lock-up clutch	
Transmission type		8-speed tiptronic / automatic	
Transmission ratio in 1st/2nd gear		4.714 / 3.143	
Transmission ratio in 3rd/4th gear		2.106 / 1.667	
Transmission ratio in 5th/6th gear		1.285 / 1.000	
Transmission ratio in 7th/8th gear		0.839 / 0.667	
Reverse gear ratio / final drive ratio 1-2		3.317 / 3.204	
<b>Suspension / steering / brakes</b>			
Type and design of front-axle suspension		Five-link front axle; tubular anti-roll bar; air spring suspension	
Type and design of rear-axle suspension		Five-link rear axle; tubular anti-roll bar; air spring suspension	
Steering		Electromechanical steering with speed-dependent power assistance	
Steering ratio min. / max.		15.8 / 15.8	
Turning circle / turning circle optional in m ( <i>ft</i> )		12.5 (41.0) / n.a.	
Basic tires, front axle		265/40 R 20 104 Y XL (extra load) -	
Basic tires, rear axle		265/40 R 20 104 Y XL (extra load) -	
Wheels, front axle		Cast aluminum flow forming 9.0Jx20"	
Wheels, rear axle		Cast aluminum flow forming 9.0Jx20"	
<b>Performance / consumption / acoustics</b>			
Top speed in km/h ( <i>mph</i> )		250 (155.3)	
Limited		yes	
Acceleration, 0-100 km/h (0-62.1 <i>mph</i> )		3.8	
Fuel type / octane value		Gasoline / 98	
<b>Consumption / emissions*</b>			
Fuel consumption, combined in liters per 100 kilometers ( <i>US mpg</i> )		11.4 - 11.3 (20.6-20.8)	
CO <sub>2</sub> emissions combined in grams per kilometer ( <i>g/mi</i> )		260 - 258 (418.4-415.2)	

## INTERNAL

<b>Weights / loads</b>	
Unladen weight without driver / with driver / gross weight limit in kg ( <i>lb</i> )	2230 (4916.3) / 2305 (5081.7) / 2835 (6250.1)
Front/rear axle load limit in kg ( <i>lb</i> )	1450 (3196.7) / 1465 (3229.8)
Trailer load limit on 8% / 12% gradient, braked // unbraked in kg ( <i>lb</i> )	2300 (5070.6) / 2300 (5070.6) // 750 (1653.5)
Roof load limit / permissible nose weight in kg ( <i>lb</i> )	90 (198.4) / 95 (209.4)
<b>Capacities</b>	
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> )	9.5 (10.0)
Fuel tank capacity in liters ( <i>US gal</i> )	82 (21.7)
<b>Dimensions / body</b>	
Body type / number of doors	Audi Space Frame (ASF) / 4
Number of seats	5
Drag coefficient Cd / frontal area A in m <sup>2</sup> ( <i>sq ft</i> )	0.27 / 2.43 (26.2)
Standard dimensions (length / width excluding mirrors / height with steel springs / height with air springs) in mm ( <i>ft</i> )	5179 (17.0) / 1945 (6.4) / - / 1474 (4.8)
Width including mirrors in mm ( <i>ft</i> )	2130 (7.0)
Wheelbase / track width front/rear in mm ( <i>ft</i> )	2998 (9.8) / 1628 (5.34) / 1617 (5.31)
Height of loading edge with steel springs / air springs in mm	- / 698 (2.3)
Luggage capacity behind 2nd seat bench, open / closed in l ( <i>cu ft</i> )	- / 505 (17.8)

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