

Technical Data		Audi S8 TFSI tiptronic (420 kW)	
Program for Germany		Status: 11/16/2020	
Engine / electrics			
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		
Max. torque in Nm (<i>lb-ft</i>) / at rpm	800 (590.0) / 2050 - 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		
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		
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		
Suspension / steering / brakes			
Type and design of front-axle suspension	5-link front axle; tubular anti-roll bar; air spring suspension		
Type and design of rear-axle suspension	5-link rear axle; tubular anti-roll bar; air spring suspension		
Steering	Electromechanical progressive steering with speed-dependent power assistance		
Steering ratio	13.3		
Turning circle in m (<i>ft</i>)	11.4 (37.4)		
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)	265/40 R 20		
Wheels (basic)	Alloy 9 J x 20"		
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>)	3.8		
Fuel type / octane value	Gasoline / 98		
Fuel standard	DIN EN 228 (gasoline)		
Exterior noise level when stationary / drive-past as per ECE R51.03 in dB (A)	83.3/ 71		

Consumption / emissions*	
Fuel consumption, urban / extra-urban / combined in l/100 km (US mpg)	15.1 (15.6) / 8.2 - 8.1 (28.7 - 29.0) / 10.8 - 10.7 (21.8 - 22.0)
CO ₂ emissions, combined in g/km (g/mi)	246 - 245 (395.9 - 394.3)
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	20 / 31 / 30
Weights / loads	
Unladen weight without driver / with driver / gross weight limit in kg (lb)	2230 (4916.3) / 2305 (5081.7) / 2835 (6250.1)
Front/rear axle load limit in kg (lb)	1450 (3196.7) / 1465 (3229.8)
Trailer load limit on 8% / 12% gradient, braked // unbraked in kg (lb)	2300 (5070.6) / 2300 (5070.6) // 750 (1653.5)
Roof load limit / permissible nose weight in kg (lb)	90 (198.4) / 95 (209.4)
Capacities	
Cooling system capacity (incl. heating) in l (US gal)	16.4 (4.3)
Engine oil capacity, including filter (change volume) in l (US qt)	9.5 (10.0)
Fuel tank capacity / optional fuel tank capacity in l (US gal)	72 (19.0) / 82 (21.7)
Dimensions / body	
Body type / number of doors	Audi Space Frame (ASF) / 4
Number of seats	5
Drag coefficient Cd / frontal area A in m ² (sq ft)	0.28 / 2.43 (26.2)
Standard dimensions (length / width excluding mirrors / height with air springs) in mm (ft)	5179 (17.0) / 1945 (6.4) / 1474 (4.8)
Width including mirrors in mm (ft)	2130 (7.0)
Wheelbase / track width front/rear in mm (ft)	2998 (9.8) / 1628 (5.34) / 1617 (5.31)
Overhang angle of air springs, front/rear in degrees	14.0 / 13.7
Height of loading edge with air springs in mm (ft)	698 (2.3)
Closed luggage compartment - behind the 2nd seat row in l (cu ft)	505 (17.8)

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