

# 911 S/T

## Engine

Type	Six-cylinder naturally aspirated boxer engine with gasoline particulate filter
Number of cylinders	6
Valves per cylinder	4
Displacement	3,996 cm <sup>3</sup>
Bore	102.0 mm
Stroke	81.5 mm
Maximum power	518 hp
at engine speed	8,500 1/min
Maximum torque	343 lb.-ft.
at engine speed	6,300 1/min
Specific output	129.5 hp/l
Compression ratio	13.3:1
Maximum engine speed	9,000 1/min
Cooling system	Water cooling with mechanical thermostat
Valve control	VarioCam camshaft control for intake and exhaust valves, DLC-coated rocker arms, fixed valve train
Intake system	Variable plastic intake manifold with two switchable tuning flaps and six individual throttle valves
Oil supply	Dry-sump lubrication with a separate engine oil tank and fully variable oil pressure pump, seven suction stages, oil centrifuge and additional oil supply via the crankshaft, fine oil separator

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## Power transmission

Drive system	Rear-wheel drive
Gearbox	Six-speed GT Sport manual transmission; lightweight clutch with single-mass flywheel; Porsche Torque Vectoring (PTV) with mechanical rear differential lock with asymmetric limited-slip action
Gear ratios	
1 <sup>st</sup> gear	3.75
2 <sup>nd</sup> gear	2.38
3 <sup>rd</sup> gear	1.72
4 <sup>th</sup> gear	1.34
5 <sup>th</sup> gear	1.08
6 <sup>th</sup> gear	0.88
Reverse gear	3.42
Rear-axle gear ratio	4.30

## Chassis

Suspension and damping	Adjustable sport suspension, Porsche Active Suspension Management (PASM) with sport tuning and 20 mm lowering
Front axle	Double-wishbone front axle, anti-roll bar, all suspension mounts with spherical joints, integrated helper springs
Rear axle	Multi-link rear axle, CFRP anti-roll bar, some suspension mounts with spherical joints, integrated helper springs
Steering	Electromechanical power steering Plus with variable steering ratio and speed-sensitive power steering assistance
Steering ratio	15.0:1 (center position)
Steering wheel diameter	360 mm
Turning circle diameter	34.1 ft.
Vehicle stability system	Porsche Stability Management (PSM) including ABS, can be switched off in two stages (ESC OFF and ESC+TC OFF)

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## Brakes

Brake system	Porsche Ceramic Composite Brake (PCCB); dual-circuit braking system split by axle; electromechanical power brake; Brake Assist; electrically operated duo-servo parking brake
Front brakes	Six-piston aluminium monobloc fixed caliper brakes; cross-drilled and internally vented ceramic composite brake discs with aluminium brake hat
Diameter	410 mm
Thickness	36 mm
Rear brakes	Four-piston aluminium monobloc fixed caliper brakes; cross-drilled and internally vented ceramic composite brake discs with aluminium brake hat
Diameter	390 mm
Thickness	32 mm

## Wheels and tyres

Front wheels and tires	9.5 J x 20 ET 46 sport tires 255/35 ZR 20 97Y XL
Rear wheels and tires	12.0 J x 21 ET 45 sport tires 315/30 ZR 21 105Y XL

## Dimensions

Length	180 in.
Width (including exterior mirrors)	72.9 in. (79.8 in.)
Height	50.4 in.
Wheelbase	96.7 in.
Front track width	63 in.
Rear track width	61.1 in.

## Luggage compartment volume and weights

Front luggage compartment volume	4.6 cu. ft.
Unladen weight (DIN)	3,056 lbs.
Permissible gross weight	3,737 lbs.
Weight-to-power ratio	5.9 lbs. / hp
Fuel tank capacity (optional)	16.9 gallons (23.7 gallons)

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## Performance

Top track speed	186 mph
Acceleration	
0 – 60 mph	3.5 s
0 – 100 km/h	3.7 s
0 – 160 km/h	7.5 s
0 – 200 km/h	11.2 s

## Aerodynamics

Drag coefficient ( $c_d$ )	0.35
Cross-sectional area A	2.05 m <sup>2</sup>
$c_d \times A$	0.72 m <sup>2</sup>