

Specifications Porsche 911 Carrera S*

Body:	Two-plus-two seat coupé; lightweight body in aluminium-steel construction with doors, boot and bonnet lids made of aluminium; two-stage driver and front passenger airbags; side and head airbags for driver and front passenger.		
Aerodynamics:	Drag coefficient c_d :	0.30	
	Frontal area A:	2.02 m ²	
	$c_d \times A$:	0.61	
Engine:	Water-cooled flat-six engine; aluminium engine block and cylinder heads; four overhead camshafts, four valves per cylinder, variable inlet and outlet valve timing; inlet valve lift (Vario Cam Plus); hydraulic valve clearance adjustment; direct petrol injection; bi-turbo charging; one three-way catalytic converter per cylinder bank, each with two oxygen sensors; engine oil 13.1 litres (refill volume 8.0 litres); electronic ignition with solid-state ignition distribution (six active ignition modules); thermal management for coolant circulation; auto start/stop function.		
	Bore	91.0 mm	
	Stroke	76.4 mm	
	Displacement	2,981 cm ³	
	Compression ratio	10:1	
	Engine power	420 hp (309 kW) at 6,500 rpm	
	Max. torque	500 Nm at 1,700 – 5,000 rpm	
	Power output per litre	140.9 hp/l (103.7 kW/l)	
	Max. engine speed	7,500 rpm	
	Fuel type	super plus	
Electrical system:	12 Volt; alternator 2,940 W; battery 80 Ah; electrical system recuperation.		

* Specifications may vary according to markets

Status: November 2015

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Transmission: Engine and transmission bolted into combined drive unit; rear-wheel drive; seven-speed manual transmission with two-plate clutch, mechanically locking rear differential and Porsche Torque Vectoring (PTV); optional seven-speed dual clutch transmission (PDK) with controlled rear locking differential and PTV Plus.

Gear ratios	Manual transmission	PDK
1 st gear	3.91	3.91
2 nd gear	2.29	2.29
3 rd gear	1.58	1.58
4 th gear	1.18	1.18
5 th gear	0.94	0.94
6 th gear	0.79	0.79
7 th gear	0.62	0.62
Reverse	3.55	3.55
Constant RA ratio	1.16	1.16
Total RA ratio	3.59	3.59
Clutch diameter	228 mm	202/153 mm

Chassis: Front axle: strut suspension (MacPherson type, Porsche optimised) with wheels independently suspended by transverse links, longitudinal links and struts; cylindrical coil springs with internal dampers; electromechanical power steering; optional front axle lift system.

Rear axle: multi-link suspension with wheels independently suspended on five links; cylindrical coil springs with coaxial internal dampers; optional rear-wheel steering.

Porsche Active Suspension Management (PASM) with electronically controlled dampers; two manually selectable damping programmes.

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Brakes:	Dual-circuit brake system with separate circuits for front and rear axles; Porsche Stability Management (PSM); vacuum brake booster; brake assistant; electric duo-servo parking brake; auto-hold function; post-collision braking system.			
	Front axle: six-piston aluminium monobloc brake callipers, perforated and internally ventilated brake discs with 350 mm diameter and 34 mm thickness.			
	Rear axle: four-piston aluminium monobloc brake callipers, perforated and internally ventilated brake discs with 330 mm diameter and 28 mm thickness.			
Wheels and tyres:	front	8.5 J x 20	with	245/35 ZR 20
	rear	11.5 J x 20	with	305/30 ZR 20
Weights:	Unladen weight (DIN)			1,440 (1,460) kg
	Permissible gross weight			1,900 (1,915) kg
Dimensions:	Length		4,499 mm	
	Width		1,808 mm	
	Width with door mirrors		1,978 mm	
	Height		1,302 mm	
	Wheelbase		2,450 mm	
	Track widths	front	1,543 mm	
		rear	1,518 mm	
	Luggage comp. capacity	front	145 l	
		rear	260 l	
	Fuel tank capacity		64 l	

Values in brackets refer to vehicles with PDK transmission

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Performance:	Top speed	308 (306) km/h
	Acceleration	
	0 – 100 km/h	4.3 (4.1) s
	with Sport Plus and PDK	3.9 s
	0 – 200 km/h	13.7 (13.2) s
	with Sport Plus and PDK	12.9 s
Fuel consumption: (NEDC)	0 – 60 mph	4.1 (3.9) s
	with Sport Plus and PDK	3.7 s
	1/4 mile (400 m)	12.5 (12.3) s
	with Sport Plus and PDK	12.0 s
	Combined	8.7 (7.7) l/100 km
	Urban	12.2 (10.1) l/100 km
CO₂ emissions:	Extra-urban	6.6 (6.4) l/100 km
	Combined	199 (174) g/km
Emissions class:		Euro 6

Values in brackets refer to vehicles with PDK transmission