

Specifications of the Porsche 911 Carrera S Coupé*

Body:	Two-plus-two Coupé; lightweight body of an intelligent aluminium-steel construction with wings, doors, luggage and engine compartment lids made of aluminium; two-stage driver and passenger airbags; side and knee airbags for driver and front passenger.
Aerodynamics:	Drag coefficient c_d : 0.29 Frontal area A: 2.00 m ² $c_d \times A$: 0.58
Engine:	Water-cooled flat-six engine; aluminium engine block and cylinder heads; four overhead camshafts, four valves per cylinder; variable valve timing and valve lift (VarioCam Plus) on the inlet side; hydraulic valve play compensation; direct petrol injection; a three-way catalytic converter with two oxygen sensors per cylinder bank; 10.1 litres engine oil; electronic ignition system with static ignition current distribution (six active ignition modules); thermal management for cooling circuit; auto start/stop function.
Bore:	102 mm/4.02 in
Stroke:	77.5 mm/3.05 in
Displacement:	3,800 cm ³ /231.9 cu in
Compression Ratio:	12.5:1
Engine Power:	294 kW/400 hp at 7,400 rpm
Max. Torque:	440 Nm/325 ft lb at 5,600 rpm
Power Output per Litre:	77.4 kW/l/105.3 hp/l
Maximum Revs:	7,800 rpm
Fuel Type:	Premium Plus
Electrical System:	12-volt; three-phase generator 2,100 W; battery capacity 70 Ah, 450 A; vehicle electrical system recuperation.

* Specifications may vary according to markets

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Power transmission: Engine and transmission bolted together to form a single drive unit; rear wheel drive; seven-speed manual transmission with mechanical limited-slip rear differential and Porsche Torque Vectoring (PTV); seven-speed Porsche Doppelkupplungsgetriebe (PDK) as an option with electronically controlled rear differential and PTV Plus.

Gear ratios:	Manual gearbox	PDK transmission
1 st gear	3.91	3.91
2 nd gear	2.29	2.29
3 rd gear	1.55	1.65
4 th gear	1.30	1.30
5 th gear	1.08	1.08
6 th gear	0.88	0.88
7 th gear	0.71	0.62
Reverse	3.55	3.55
Final drive ratio	3.44	3.44
Clutch diameter	240 mm 9.45 in	202 mm/153 mm 7.95 in/6.02 in

Suspension: Front axle: McPherson axle (optimised to Porsche requirements) with wheels independently mounted on transverse control arms, longitudinal control arms and suspension struts; vibration dampers mounted inside cylindrical coil springs; electro-mechanical power steering.

Rear axle: multi-link rear suspension with wheels independently guided on five control arms; cylindrical coil springs with coaxial vibration dampers mounted inside.

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

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Brake system: Dual-circuit brake system with separate circuits for front and rear axles; Porsche Stability Management (PSM); vacuum brake booster; brake assist; electric duo-servo parking brake; auto hold function.

Brakes: Front axle: six-piston aluminium monobloc brake callipers, perforated and vented brake discs with a diameter of 340 mm/13.39 in and a thickness of 34 mm/1.34 in.

Rear axle: four-piston aluminium monobloc brake callipers, perforated and vented brake discs with a diameter of 330 mm/13 in and a thickness of 28 mm/1.1 in.

Wheels and Tyres:	Front	8.5 J x 20	on	245/35 ZR 20
	Rear	11 J x 20	on	295/30 ZR 20

Weights:	Curb weight (DIN)	1,395 (1,415) kg
	Permissible gross weight	1,830 (1,850) kg

Dimensions:	Length	4,491 mm/176.81 in
	Width	1,808 mm/71.18 in
	Height	1,295 mm/50.98 in
	Wheelbase	2,450 mm/96.46 in

Track widths	Front	1,538 mm/60.55 in
	Rear	1,516 mm/59.69 in

Luggage compartment capacity	Front	135 l
	Rear	205 l

Fuel tank capacity	64 l/4.08 gal. imp.
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Values in brackets refer to vehicles with PDK transmission

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Performance:	Top speed	304 (302) km/h 188.9 (187.7) mph
	Acceleration: 0 – 100 km/h/0 – 62 mph (with Sport Plus and PDK*)	4.5 (4.3) s 4.1 s
	Acceleration: 0 – 200 km/h/124 mph (with Sport Plus and PDK*)	14.4 (13.9) s 13.6 s
Consumption (NEDC):	Urban	13.8 (12.2) l/100 km
	Extra-urban	7.1 (6.7) l/100 km
	Combined	9.5 (8.7) l/100 km
CO₂ Emissions:		224 (205) g/km
Emission Category:		Euro 5

Values in brackets refer to vehicles with PDK transmission

*Together with the optional Sport Chrono Package