

Specifications Porsche 911 Carrera*

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 :	0.29
Frontal area A:	2.02 m ²
$c_d \times A$:	0.59

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 (VarioCam 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	370 hp (272 kW) at 6,500 rpm
Max. torque	450 Nm at 1,700 – 5,000 rpm
Power output per litre	124.1 hp/l (91.2 kW/l)
Max. engine speed	7,500 rpm
Fuel type	super plus

Electrical system: 12 Volt; alternator 2,450 W; battery 80 Ah; electrical system recuperation.

* Specifications may vary according to markets

Status: September 2015

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Transmission:

Engine and transmission bolted together to form a single drive unit; rear wheel drive; seven-speed manual transmission with two-plate clutch; optional seven-speed dual clutch transmission (PDK).

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	1.11	1.11
Total RA ratio	3.44	3.44
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.

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: four-piston aluminium monobloc brake callipers, perforated and internally ventilated brake discs with 330 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 19	with	235/40 ZR 19
	rear	11.5 J x 19	with	295/35 ZR 19

Weights:	Unladen weight (DIN)	1,430 (1,450) kg
	Permissible gross weight	1,875 (1,890) kg

Dimensions:	Length	4,499 mm
	Width	1,808 mm
	Width with door mirrors	1,978 mm
	Height	1,303 mm
	Wheelbase	2,450 mm

Track widths	front	1,541 mm
	rear	1,518 mm

Luggage comp. capacity	front	145 l
	rear	260 l

Fuel tank capacity	64 l
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Values in brackets refer to vehicles with PDK transmission

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Performance:	Top speed	295 (293) km/h
	Acceleration	
	0 – 100 km/h	4.6 (4.4) s
	with Sport Plus and PDK	4.2 s
	0 – 200 km/h	15.3 (14.8) s
	with Sport Plus and PDK	14.5 s
	0 – 60 mph	4.4 (4.2) s
	with Sport Plus and PDK	4.0 s
	1/4 mile (400 m)	12.8 (12.6) s
	with Sport Plus and PDK	12.3 s
Fuel consumption: (NEDC)	Combined	8.3 (7.4) l/100 km
	Urban	11.7 (9.9) l/100 km
	Extra-urban	6.3 (6.0) l/100 km
CO₂ emissions:	Combined	190 (169) g/km
Emissions class:		Euro 6

Values in brackets refer to vehicles with PDK transmission