

## 718 Boxster

## 718 Boxster S

**Engine**

Type	Turbocharged flat four-cylinder engine	
No. of cylinders	4	
Valves/cylinder	4	
Displacement	1988 cm <sup>3</sup>	2497 cm <sup>3</sup>
Bore	91.0 mm	102.0 mm
Stroke	76.4 mm	
Max. power output	300 hp	350 hp
at engine speed	6,500 rpm	
Max. torque	280 lb.-ft.	309 lb.-ft.
at engine speed	1,950 – 4,500 rpm	1,900 – 4,500 rpm
Max. output per liter	151 hp/l	140 hp/l
Compression ratio	9.5:1	
Maximum engine speed	7,500 rpm	
Cooling system	Water cooling with thermal management and water pump that operates on demand	
Valve control	Camshaft adjustment and VarioCam Plus valve stroke adjustment for intake and exhaust	
Oil supply	Integrated dry sump lubrication and demand-controlled oil pump	
Engine charging	Single turbocharger, 20.3 psi (1.4 bar) max. boost	Single turbocharger with VTG, 14.5 psi (1.0 bar) max. boost
Intercooling	Water-to-air intercooling (two low-temperature air-water radiators and a water intercooler)	
Exhaust system	Dual-branch exhaust system with central stainless steel tailpipe	Dual-branch exhaust system with central stainless steel dual tailpipes
Emission control system	Two three-way catalytic converters and on-board diagnostics for monitoring the emission control system	
Fuel management	Gasoline Direct Fuel Injection (DFI)	
Drive system	Mid-engine, rear-wheel drive	

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**Power transmission**

Transmission	Six-speed manual transmission with single-disc clutch and dual-mass flywheel; optional seven-speed Doppelkupplungsgetriebe (PDK)
Clutch diameter	Manual 9.4 in. (240 mm); PDK 202/153 mm
Gear ratios	Manual / PDK
1st gear	3.31/3.91
2nd gear	1.95/2.29
3rd gear	1.41/1.65
4th gear	1.13/1.30
5th gear	0.95/1.08
6th gear	0.81/0.88
7th gear	-/0.62
Reverse gear	3.00/3.55
Rear axle	3.89/3.62

**Chassis**

Front axle	Lightweight spring-strut suspension (MacPherson type)
Rear axle	Lightweight MacPherson suspension
Steering	Electromechanical power steering with variable steering ratio and steering pulse input
Steering ratio	15.0:1 (on-center) to 12.5:1
Steering wheel diameter	14.8 inches (375 mm) / opt. 14.1 inches (360 mm)
Turning radius	36 ft. (10.98 m)
Driving stability system	Porsche Stability Management (PSM) incl. ABS with extended brake functions

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**Brakes**

Brake System	Four-piston aluminium monoblock fixed calliper brakes, front and rear	Four-piston aluminium monoblock fixed calliper brakes, front and rear
Brank discs, front axle	Grey cast iron; vented and perforated	
Diameter	13.0 inches (330 mm)	
Thickness	1.1 inches (28 mm)	1.3 inches (34 mm)
Brake discs, rear axle	cast iron; vented and perforated	
Diameter	11.8 inches (299 mm)	
Thickness	0.8 inches (20 mm)	

**Wheels and tires**

Wheels with tires, front	8 J x 18 ET 57 with 235/35 ZR 18 tires	8 J x 19 ET 57 with 235/40 ZR 19 tires
Wheels with tires, rear	9.5 J x 18 ET 49 with 265/45 ZR 18 tires	10 J x 19 ET 45 with 265/40 ZR 19 tires

**Dimensions**

Length	172.4 inches (4379 mm)	
Width (with door mirrors)	70.9 inches (1801 mm) / 78.5 inches (1994 mm)	
Height	50.4 inches (1281 mm)	50.4 inches (1280 mm)
Wheelbase	97.4 inches (2475 mm)	
Track width, front (for wheel size)	59.6 inches (1515 mm) (18")	59.6 inches (1515 mm) (19")
Track width, rear (for wheel	60.3 inches (1532 mm) (18")	60.6 inches (1540 mm) (19")

**Luggage capacity and weights**

Luggage capacity	5.3 cu.-ft. (150 l) front, 4.4 cu.-ft. (125 l) rear	
	Manual/PDK	Manual/PDK
Unladen weight	2944 / 3010 lbs.	2988 / 3054 lbs.
Gross vehicle weight rating	3649 / 3715 lbs.	3671 / 3737 lbs.
Power-to-weight ratio	9.8 / 10.0 lb./hp	8.5 / 8.7 lb./hp

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**Performance**

Manual/PDK

Top track speed	170/170 mph	177/177 mph
Acceleration		
0-60 mph		
0 – 60 mph with Sport+	– /4.5 s	– /4.0 s
0 – 100 mph	11.3/11.1 s	9.7/9.5 s
0 – 100 mph with Sport+	– /10.8 s	– /9.2 s
Quarter mile	13.4/13.2 s	12.8/12.6 s
Quarter mile with Sport+	– /13.0 s	– /12.4 s

**Fuel and Emissions**

Fuel Tank Capacity (refuelling volume)	14.3 gallons (54 l) / 16.9 gallons (64 l) optional	16.9 gallons (64/l)
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**Aerodynamics**

Drag coefficient $c_d$	0.31	0.32
Frontal area A	1.99 m <sup>2</sup>	
$c_d \times A$ :	0.62	0.64

**EPA-rated fuel economy**

Manual/PDK

City	21 / 22 mpg	20 / 21 mpg
Highway	28 / 25 mpg	26 / 28 mpg
Combined	24 / 29 mpg	22 / 24 mpg