

2012 Porsche Boxster
Technical Specifications



	Boxster	Boxster S	Boxster S Black Edition	Boxster Spyder
Engine				
Engine Concept	Water-cooled, mid-mounted, horizontally opposed "Boxer" six-cylinder	Water-cooled, mid-mounted, horizontally opposed "Boxer" six-cylinder	Water-cooled, mid-mounted, horizontally opposed "Boxer" six-cylinder	Water-cooled, mid-mounted, horizontally opposed "Boxer" six-cylinder
Construction	Engine block and cylinder heads formed in aluminum	Engine block and cylinder heads formed in aluminum	Engine block and cylinder heads formed in aluminum	Engine block and cylinder heads formed in aluminum
Valvetrain	Four overhead camshafts, four valves per cylinder, variable intake valve timing and lift control (VarioCam Plus), hydraulic valve play compensation	Four overhead camshafts, four valves per cylinder, variable intake valve timing and lift control (VarioCam Plus), hydraulic valve play compensation	Four overhead camshafts, four valves per cylinder, variable intake valve timing and lift control (VarioCam Plus), hydraulic valve play compensation	Four overhead camshafts, four valves per cylinder, variable intake valve timing and lift control (VarioCam Plus), hydraulic valve play compensation
Fuel Injection System	Sequential multi-point	Direct fuel injection	Direct fuel injection	Direct fuel injection
Lubrication	Dry-sump	Dry-sump	Dry-sump	Dry-sump
Management	ME 7.8 engine management system	SDI 3.1 engine management system	SDI 3.1 engine management system	SDI 3.1 engine management system
Electrical System	12-volt, 2100-watt alternator, 60Ah battery	12-volt, 2100-watt alternator, 70Ah battery	12-volt, 2100-watt alternator, 70Ah battery	12-volt, 2100-watt alternator, 60Ah battery
Fuel	Premium unleaded	Premium unleaded	Premium unleaded	Premium unleaded
Bore	89 mm (3.5 in.)	97 mm (3.8 in.)	98 mm (3.8 in.)	98 mm (3.8 in.)
Stroke	77.5 mm (3.1 in.)	77.5 mm (3.1 in.)	77.5 mm (3.1 in.)	77.5 mm (3.1 in.)
Displacement	2.9 Liters	3.4 Liters	3.4 Liters	3.4 Liters
Maximum Horsepower	255 @ 6400 rpm	310 @ 6400 rpm	320 @ 7200 rpm	320 @ 7200 rpm
Maximum Torque	214 lb-ft @ 4400-6000 rpm	266 lb-ft @ 4400-5500 rpm	273 lb-ft @ 4750 rpm	273 lb-ft @ 4750 rpm
Compression ratio	11.5: 1	12.5: 1	12.5: 1	12.5: 1
Engine redline	7500	7500	7500	7500
Output per liter	87.9	91.1	94.1	94.1
Drivetrain	Rear-wheel drive	Rear-wheel drive	Rear-wheel drive	Rear-wheel drive
Transmission				
Manual transmission	6 speed standard	6 speed standard	6 speed standard	6 speed standard
Automatic transmission	Optional PDK	Optional PDK	Optional PDK	Optional PDK
Ratios (PDK)				
1st	3.67 (3.91)	3.31 (3.91)	3.31 (3.91)	3.31 (3.91)
2nd	2.05 (2.29)	1.95 (2.29)	1.95 (2.29)	1.95 (2.29)
3rd	1.40 (1.65)	1.41 (1.65)	1.41 (1.65)	1.41 (1.65)
4th	1.13 (1.30)	1.13 (1.30)	1.13 (1.30)	1.13 (1.30)
5th	0.97 (1.08)	0.95 (1.08)	0.95 (1.08)	0.95 (1.08)
6th	0.84 (0.88)	0.81 (0.88)	0.81 (0.88)	0.81 (0.88)
7th	(0.62)	(0.62)	(0.62)	(0.62)
Reverse	3.33 (3.55)	3.0 (3.55)	3.0 (3.55)	3.0 (3.55)
Final Drive Ratio	3.88	3.89	3.89	3.89
Clutch diameter	240 (202/153 mm)	240 (202/153 mm)	240 (202/153 mm)	240 (202/153 mm)
Body	2-seat roadster with aluminum front and rear luggage compartment lids, roll over protection, auto-extending/retracting rear spoiler, bow-type door handles, and underbody paneling	2-seat roadster with aluminum front and rear luggage compartment lids, roll over protection, auto-extending/retracting rear spoiler, bow-type door handles, and underbody paneling	2-seat roadster with aluminum front and rear luggage compartment lids, roll over protection painted Black, auto-extending/retracting rear spoiler, bow-type door handles, and underbody paneling	2-seat roadster with aluminum front and rear luggage compartment lids, roll over protection, fixed rear spoiler, bow-type door handles, and underbody paneling
Chassis				
Drag Coefficient	0.29	0.29	0.29	0.3
Front Suspension	Independent MacPherson struts with aluminum control arms, coil springs, stabilizer bar and negative steering-roll radius	Independent MacPherson struts with aluminum control arms, coil springs, stabilizer bar and negative steering-roll radius	Independent MacPherson struts with aluminum control arms, coil springs, stabilizer bar and negative steering-roll radius	Independent MacPherson struts with aluminum control arms, coil springs, stabilizer bar and negative steering-roll radius
Rear Suspension	Independent MacPherson struts with aluminum control arms and stabilizer bar; toe-angle control	Independent MacPherson struts with aluminum control arms and stabilizer bar; toe-angle control	Independent MacPherson struts with aluminum control arms and stabilizer bar; toe-angle control	Independent MacPherson struts with aluminum control arms and stabilizer bar; toe-angle control; ride height decreased 20 mm, locking rear differential
Steering Ratio	17.1:1 -13.8:1, variable	17.1:1 -13.8:1, variable	17.1:1 -13.8:1, variable	17.1:1 -13.8:1, variable
Turning Circle	36.4 ft	36.4 ft	36.4 ft	36.4 ft
Brakes	4-piston aluminum monobloc fixed calipers front and rear. 12.5 in. front/11.8 in. rear diameter internally vented and cross drilled discs, calipers painted black	4-piston aluminum monobloc fixed calipers front and rear. 12.5 in. front/11.8 in. rear diameter internally vented and cross drilled discs, calipers painted red	4-piston aluminum monobloc fixed calipers front and rear. 12.5 in. front/11.8 in. rear diameter internally vented and cross drilled discs, calipers painted red	4-piston aluminum monobloc fixed calipers front and rear. 12.5 in. front/11.8 in. rear diameter internally vented and cross drilled discs, calipers painted red

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Wheels	Front six-piston aluminum monobloc fixed calipers with 14.15 x 1.42-inch discs; Rear four-piston aluminum monobloc fixed calipers with 12.99 x 1.10-inch discs.	Front six-piston aluminum monobloc fixed calipers with 14.15 x 1.42-inch discs; Rear four-piston aluminum monobloc fixed calipers with 12.99 x 1.10-inch discs.	Front six-piston aluminum monobloc fixed calipers with 14.15 x 1.42-inch discs; Rear four-piston aluminum monobloc fixed calipers with 12.99 x 1.10-inch discs.	Front six-piston aluminum monobloc fixed calipers with 14.15 x 1.42-inch discs; Rear four-piston aluminum monobloc fixed calipers with 12.99 x 1.10-inch discs.
Tires	205/55 ZR 17 Front 235/50 ZR 17 Rear	235/40 ZR 18 Front 265/40 ZR 18 Rear	235/35 ZR 19 Front 265/35 ZR 19 Rear	235/35 ZR 19 Front 265/35 ZR 19 Rear
Dimensions				
Wheelbase	95.1 in.	95.1 in.	95.1 in.	95.1 in.
Overall length	172.1 in.	172.1 in.	172.1 in.	172.1 in.
Width	76.9 in.	76.9 in.	76.9 in.	76.9 in.
Front track (in/mm)	58.7 in.	58.4 in.	58.4 in.	56.3 in.
Rear track (in/mm)	60.4 in.	60.2 in.	60.2 in.	60.2 in.
Legroom*	33.5	33.5	33.5	33.5
Headroom	37.6	37.6	37.6	37.6
Height	50.9 in.	50.9 in.	50.9 in.	48.5 in.
Curb weight w/ manual	2943 lbs	2987 lbs	2987 lbs	2811 lbs
Curb weight w/ PDK	3009 lbs	3042 lbs	3042 lbs	2866 lbs
Luggage capacity	9.9 cu. ft.	9.9 cu. ft.	9.9 cu. ft.	9.9 cu. ft.
Fuel tank capacity	16.9 gal.	16.9 gal.	16.9 gal.	14.3 gal
Payload	Not specified	Not specified	Not specified	Not specified
Fuel Consumption (mpg)				
City (manual/PDK)	19/20	19/20	19/20	19/20
Highway (manual/PDK)	27/29	26/29	26/29	27/29
Combined (manual/PDK)	22/24	22/23	22/23	22/23
Performance				
0-60	5.6/5.5/ 5.3 sec	5.0/ 4.9/ 4.7 sec	4.9/ 4.8/ 4.6 sec	4.9/ 4.8/ 4.6 sec
Top track speed (PDK)	163 (162) mph	170 (169) mph	171 (170) mph	Manual top open: 166 (164) mph
* Interior Length: Driver's Side: from depressed clutch pedal to the hip point of seat				