



PORSCHE

2015 Porsche 918 Spyder

Technical Data

918 Spyder

918 Spyder with Weissach Package

Engine

Engine layout	Mid engine	Mid engine
Engine type	Parallel full hybrid; 4.6-liter V8 and two permanent magnet AC synchronous motors	Parallel full hybrid; 4.6-liter V8 and two permanent magnet AC synchronous motors
Cylinders	8	8
Valves per cylinder	4	4
Construction	Aluminum block and heads	Aluminum block and heads
Fuel injection	Direct fuel injection	Direct fuel injection
Fuel	Premium	Premium
Displacement	4.6-liter	4.6-liter
Bore/Stroke	95 mm x 81 mm	95 mm x 81 mm
Maximum total system power output	887 hp	887 hp
Maximum engine power output @ engine speed	608 hp @ 8,700 rpm	608 hp @ 8,700 rpm
Maximum hybrid power output on rear axle	156 hp	156 hp
Maximum electric motor power output on front axle	129 hp	129 hp
Maximum torque @ engine speed	398 lb.-ft. @ 6,700 rpm	398 lb.-ft. @ 6,700 rpm
Maximum torque calculated on the crankshaft in 7th gear (combined)	944 lb.-ft.	944 lb.-ft.
Battery	Liquid-cooled, high performance lithium-ion hybrid battery; 6.8 kWh with max power output of 230 kW; charged via Porsche Universal Charger (AC)	Liquid-cooled, high performance lithium-ion hybrid battery; 6.8 kWh with max power output of 230 kW; charged via Porsche Universal Charger (AC)
Maximum engine speed	9,150 rpm	9,150 rpm
Power to weight ratio (lbs/hp)	4.16	4.06
Output per liter	132 hp/l	132 hp/l
Lubrication	Integrated dry-sump, two-stage	Integrated dry-sump, two-stage
Drivetrain	Rear-wheel-drive; front electric motor with gearbox for driving the front wheels (decouple from 146mph), with electronically controlled, map-controlled multi-plate clutch	Rear-wheel-drive; front electric motor with gearbox for driving the front wheels (decouple from 146mph), with electronically controlled, map-controlled multi-plate clutch

Chassis & Suspension

Body	Carbon fiber monocoque	Carbon fiber monocoque
Front Axle	Aluminium double wishbone axle	Aluminium double wishbone axle
Rear Axle	Multi-link axle with electric rear wheel steering	Multi-link axle with electric rear wheel steering
Steering System	Electro-mechanical power steering	Electro-mechanical power steering
Steering Ratio	16.6:1 (central) to 12.25:1	16.6:1 (central) to 12.25:1
Turning Circle	41.7 ft	41.7 ft

Brakes & Wheels

Caliper type front	Six piston fixed	Six piston fixed
Caliper type rear	Four piston fixed	Four piston fixed
Rotor material	Ceramic composite, internally vented and cross-drilled	Ceramic composite, internally vented and cross-drilled
Caliper color	Acid Green	Acid Green
Rotor diameter (front/rear) mm	410 / 390	410 / 390
Rotor thickness mm	34	34
Wheel type (standard)	918 Spyder forged alloy wheels	918 Spyder magnesium wheels
Wheels and tires front (standard)	9.5 J x 20 265/35 ZR 20	9.5 J x 20 265/35 ZR 20
Wheels and tires rear (standard)	12.5 J x 21 325/30 ZR 21	12.5 J x 21 325/30 ZR 21



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<b>Transmission</b>			
Number of gears	7-speed		7-speed
Transmission type	PDK		PDK
Ratios			
1st	3.91		3.91
2nd	2.29		2.29
3rd	1.58		1.58
4th	1.19		1.19
5th	0.97		0.97
6th	0.83		0.83
7th	0.67		0.67
Reverse	3.55		3.55
Final Drive Ratio	3.09		3.09
<b>Dimensions, Aerodynamics, &amp; Weight</b>			
Length (inches)	182.9		182.9
Wheelbase (inches)	107.5		107.5
Width w/ mirrors folded (inches)	76.4		76.4
Height (inches)	45.95		45.95
Track width front / rear (inches)	65.5 / 63.5		65.5 / 63.5
Drag coefficient (Cd)	0.36		0.35
Legroom* (inches)	TBD		TBD
Headroom (inches)	TBD		TBD
Cargo area volume (cu.-ft.)	3.7		3.7
Fuel tank capacity (gal)	18.5		18.5
Curb weight (lbs)	3,692		3,602
Gross Vehicle Weight (lbs)	4,189		4,189
<b>Performance</b>			
Top track speed (mph)	214		214
Acceleration 0-60 (mph)	2.5		2.5
Acceleration in electric mode 0-62 (mph)	6.2		6.1
Acceleration 0-124 (mph)	7.3		7.2
Acceleration 0-186 (mph)	20.9		19.9
1/4 mile from standing start (secs)	10 @ 145 mph		9.9 @ 146 mph
<b>Fuel Economy/Rating</b>			
Rating	TBD		TBD
City	TBD		TBD
Highway	TBD		TBD
Combined	TBD		TBD

\* Interior Length: Driver's Side: from depressed pedal to the hip point of seat