

Rolls-Royce Phantom Drophead Coupé

Technical specification / World version

Dimensions

Number of doors / seats	2 / 4
Vehicle length	5609 mm / 220.8 in
Vehicle width	1987 mm / 78.2 in
Vehicle height (unladen)	1581 mm / 62.2 in
Wheelbase	3320 mm / 130.7 in
Turning circle	13.1 m / 43.0 ft
Track, front	1687 mm / 66.4 in
Track, rear	1671 mm / 65.8 in
Width at shoulder height, front	1491 mm / 58.7 in
Width at shoulder height, rear	1298 mm / 51.1 in
Elbow room, front	1562 mm / 61.5 in
Elbow room, rear	1266 mm / 49.8 in
Head room, front	980 mm / 38.6 in
Head room, rear	943 mm / 37.1 in
Boot volume (DIN)	315 ltr / 11.1 cu ft
Fuel tank capacity	80 ltr / 17.6 Imp gal

Weight

Unladen weight (DIN)	2620 kg / 5776 lb
Axle load ratio, rear (unladen)	51.4 %
Gross vehicle weight	3050 kg / 6724 lb
Payload	430 kg / 948 lb
Axle load limit, front	1425 kg / 3142 lb
Axle load limit, rear	1800 kg / 3968 lb

Engine

Engine / cylinders / valves	V / 12 / 48
Fuel management	Direct injection
Displacement	6749 cc / 411.8 cu in
Stroke	84.6 mm / 3.33 in
Bore	92.0 mm / 3.62 in
Power output @ engine speed	453 bhp / 460 PS (DIN) / 338 kW @ 5350 rpm
Max torque @ engine speed	720 Nm / 531 lb ft @ 3500 rpm
Compression ratio / fuel type	11:1 / premium unleaded ¹

Transmission

Transmission type	ZF 6HP32
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Transmission ratios

1st / 2nd / 3rd /	4.171 / 2.340 / 1.521 /
4th / 5th / 6th	1.143 / 0.867 / 0.691
Reverse	3.403
Final-drive ratio	3.460

Steering & brakes

Steering type	Rack & pinion, speed-sensitive variable-rate power assistance
Brakes front / diameter	Ventilated disc / 374 mm / 14.7 in
Brakes rear / diameter	Ventilated disc / 370 mm / 14.6 in

Aerodynamics

Drag Cd	0.37
Drag Cd x A	1.004 m ² / 10.8 ft ²

Performance

Top speed	149 mph / 240 km/h (governed)
Acceleration 0-60 mph	5.6 sec
Acceleration 0-100 km/h	5.8 sec
Acceleration 0-1000 m	25.1 sec

Fuel consumption

Urban	23.2 ltr/100 km / 12.2 mpg
Extra urban	11.3 ltr/100 km / 25.0 mpg
CO ₂ emissions	377 g/km

Wheels (standard PAX alloy)

Tyre, front & rear	Michelin PAX 265/790 R540 A 111W
Wheel rim, front & rear	PAX 265 x 540 A ALU

Wheels (21" alloy)

Tyre, front	Goodyear EMT 255/50 R21 106W
Wheel size, front	8" x 21"
Tyre, rear	Goodyear EMT 285/45 R21 109W
Wheel size, rear	9.5" x 21"

Filling capacities

Radiator incl. heater / engine oil	14 ltr / 8.5 ltr
Transmission fluid / final-drive fluid	Lifetime filling

Electric system

Battery capacity / installed position	90 + 70 Ah / boot
Alternator output rating	2 x 180 A / 2520 W

1. The engine is designed for octane grade 98 fuel; however, it may be run on fuel with a minimum octane grade of 91.

Rolls-Royce Phantom Drophead Coupé

Technical specification / USA version

Dimensions

Number of doors / seats	2 / 4
Vehicle length	5609 mm / 220.8 in
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Wheelbase	3320 mm / 130.7 in
Turning circle	13.1 m / 43.0 ft
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Width at shoulder height, front	1491 mm / 58.7 in
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Elbow room, front	1562 mm / 61.5 in
Elbow room, rear	1266 mm / 49.8 in
Head room, front	980 mm / 38.6 in
Head room, rear	943 mm / 37.1 in
Trunk volume (DIN)	315 ltr / 11.1 cu ft
Fuel tank capacity	80 ltr / 21.1 US gal

Weight

Curb weight	2620 kg / 5776 lb
Axle load ratio, rear (unladen)	51.4 %
Gross vehicle weight	3050 kg / 6724 lb
Payload	430 kg / 948 lb
Axle load limit, front	1425 kg / 3142 lb
Axle load limit, rear	1800 kg / 3968 lb

Engine

Engine / cylinders / valves	V / 12 / 48
Fuel management	Direct injection
Displacement	6749 cc / 411.8 cu in
Stroke	84.6 mm / 3.33 in
Bore	92.0 mm / 3.62 in
Engine power @ engine speed	453 hp (SAE) @ 5350 rpm
Max torque @ engine speed	720 Nm / 531 lb ft @ 3500 rpm
Compression ratio / fuel type	11:1 / premium unleaded ¹

Transmission

Transmission type	ZF 6HP32
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Transmission ratios

1st / 2nd / 3rd /	4.171 / 2.340 / 1.521 /
4th / 5th / 6th	1.143 / 0.867 / 0.691
Reverse	3.403
Final-drive ratio	3.460

Steering & brakes

Steering type	Rack and pinion, speed-sensitive variable-rate power assistance
Brakes, front / diameter	Ventilated discs / 374 mm / 14.7 in
Brakes, rear / diameter	Ventilated discs / 370 mm / 14.6 in

Aerodynamics

Drag Cd	0.37
Drag Cd x A	1.004 m ² / 10.8 ft ²

Performance²

Top speed	149 mph / 240 km/h (governed)
Acceleration 0-60 mph	5.7 sec
Acceleration 0-100 km/h (Canada)	X.X sec
Acceleration 0-1/4 mile	14.0 sec

Fuel consumption (USA)³

City	11.0 mpg
Highway	18.0 mpg

Fuel consumption (Canada)⁴

City	18.1 ltr/100 km
Highway	11.4 ltr/100 km
Combined	15.1 ltr/100 km
CO ₂ emissions	377 g/km

Wheels (standard PAX alloy)^{5/6}

Tire, front & rear	Michelin PAX 265/790 R540 A 111W
Wheel rim, front & rear	PAX 265 x 540 A ALU

Wheels (21" alloy)^{6/7}

Tire, front	Goodyear EMT 255/50 R21 106W
Wheel size, front	8" x 21"
Tire, rear	Goodyear EMT 285/45 R21 109W
Wheel size, rear	9.5" x 21"

Filling capacities

Radiator incl. heater / engine oil	14.8 quarts / 9 quarts
Transmission fluid / final-drive fluid	Lifetime filling

Electric system

Battery capacity / installed position	90 + 70 Ah / trunk
Alternator output rating	2 x 180 A / 2520 W

1. The engine is designed for octane grade 98 fuel; however, it may be run on fuel with a minimum octane grade of 91.

2. Manufacturer's test results. Actual acceleration results may vary depending on specifications of the vehicle, road and environmental conditions, testing procedures and driving styles. These results should be used for comparison only and verification should not be attempted on public roads.

3. EPA (Preliminary) – Use estimated mpg for comparison with other cars. Your mileage may vary with options, driving conditions, driving habits, the car's condition, speed and trip length. Actual highway mileage will probably be less.

4. The fuel efficiency data was determined using approved Transport Canada Test Methods.

5. The Michelin PAX tire system has run-flat capabilities. Michelin PAX is a registered trademark of Michelin.

6. With run-flat tires, you can continue for a distance of at least 100 miles at speeds up to 50 mph; however, when notified you should check your tire condition at the next available opportunity.

7. The Goodyear Extended Mobility Tire system (EMT) has run-flat capabilities.