

# Rolls-Royce Phantom 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)	1592 mm / 62.7 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	981 mm / 38.6 in
Head room, rear	942 mm / 37.1 in
Boot volume (DIN)	395 ltr / 13.9 cu ft
Fuel tank capacity	100 ltr / 22 Imp gal

### Weight

Unladen weight (DIN)	2590 kg / 5710 lb
Axle load ratio, rear (unladen)	51.5 %
Gross vehicle weight	3050 kg / 6724 lb
Payload	460 kg / 1014 lb
Axle load limit, front	1425 kg / 3142 lb
Axle load limit, rear	1800 kg / 3968 lb

### Engine & transmission

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

### Transmission

Max torque @ engine speed	720 Nm / 531 lb ft @ 3500 rpm
Compression ratio / fuel type	11:1 / premium unleaded <sup>1</sup>
Transmission type	ZF 6HP32

### 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	0.36
Drag Cd x A	0.985 m <sup>2</sup> / 10.6 ft <sup>2</sup>

### Performance<sup>2</sup>

Top speed	155 mph / 250 km/h (governed)
Acceleration 0-60 mph	5.6 sec
Acceleration 0-100 km/h	5.8 sec

### Fuel consumption<sup>2</sup>

Urban	23.2 ltr/100 km / 12.2 mpg (Imp gal)
Extra urban	11.3 ltr/100 km / 25.0 mpg (Imp gal)
Combined	15.7 ltr/100 km / 18.0 mpg (Imp gal)
CO <sub>2</sub> emissions	377 g/km

### 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.

2. Subject to final verification.

# Rolls-Royce Phantom Coupé

## Technical specification / USA 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)	1592 mm / 62.7 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	981 mm / 38.6 in
Head room, rear	942 mm / 37.1 in
Trunk volume (SAE)	10.5 cu ft
Fuel tank capacity	100 ltr / 26.4 US gal

### Weight<sup>1</sup>

Curb weight	2630 kg / 5798 lb
Axle load ratio, rear (unladen)	51.7 %
Gross vehicle weight	3050 kg / 6724 lb
Payload	420 kg / 926 lb
Axle load limit, front	1425 kg / 3142 lb
Axle load limit, rear	1800 kg / 3968 lb

### Engine & transmission

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 hp (SAE) @ 5350 rpm

### Transmission

Max torque @ engine speed	720 Nm / 531 lb ft @ 3500 rpm
Compression ratio / fuel type	11:1 / premium unleaded <sup>2</sup>
Transmission type	ZF 6HP32

### 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	0.36
Drag Cd x A	0.985 m <sup>2</sup> / 10.6 ft <sup>2</sup>

### Performance<sup>1</sup>

Top speed	155 mph (governed)
Acceleration 0-60 mph	5.6 sec

### Fuel consumption

City	To be confirmed
Highway	To be confirmed
Combined	To be confirmed
CO <sub>2</sub> emissions	To be confirmed

### Wheels (21" alloy)<sup>3/4</sup>

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. Manufacturer's test results. Actual 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. Subject to final verification.

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

3. 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.

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