

Strive for perfection in everything you do.  
Take the best that exists and make it better.  
When it does not exist, design it

Sir Henry Royce, 1863–1933



Riding on a **cushion of air**, the Phantom glides with total **serenity**. By filtering out the road's imperfections, you're left with a driving experience of **purity** and **precision**

With self-levelling air springs and electronically controlled dampers, the Phantom is a paragon of composure and stability at any speed. Even punctures can't stop it, thanks to standard Michelin PAX and optional Goodyear EMT run-flat tyres which allow you to continue your journey, for at least 100 miles at speeds up to 50 mph, before the tyre needs to be replaced





One glimpse is enough. Such rare sense of scale guarantees the Phantom **compelling presence**, beauty and **authority**. Unflinchingly **modern**. Immaculately proportioned. Unmistakably Rolls-Royce

The Phantom's long wheelbase, endless bonnet, short front overhang and large wheels are what set it apart. So, too, is the powerful stance, created by the unbroken flow of chrome brightwork from radiator grille to C-pillar, the gentle downward curve of the roofline, and the subtle upsweep of the sill





From urban jungle to searing desert, the Phantom is engineered for **extremes**. The product of an exhaustive development programme, and built to **exacting standards**, it is a car packed with **strength**



Rolls-Royce Phantom



Using the four corners of the world as its proving ground, Rolls-Royce subjected the Phantom to an arduous development programme, in locations as diverse as Dubai, Finland, Japan and the USA



The gentle **aroma** of the finest leather; the **exquisite** patina of wood veneer; the soft caress of cashmere. The Phantom's inviting interior **cocoons** you and your passengers in a **soothing zone** of **sensory indulgence**

It takes a master craftsman a month to match, shape and hone the wood veneer panels used within the Phantom. Up to 18 blemish-free hides are used to upholster the interior, each one meticulously inspected before being precisely trimmed by laser-guided cutter into 450 individual leather pieces





The Phantom adapts perfectly to its environment. Seamless and **whisper-quiet** through clamorous city streets, it revels in the **freedom** of the open road, surging along with **supreme potency**





Imagine a **design without compromise**. A car combining the most **advanced technology** with the finest hand-built craftsmanship. A car that sets new standards of **quality, refinement** and **performance**. Imagine no longer

The Phantom is the product of complete creative and engineering freedom: the design team started with a clean sheet of paper, and were driven by the challenge to conceive and build the best car in the world





Squeeze the throttle at any speed and you tap into seemingly **boundless reserves** of **power**, the Phantom responding with the emphatic, **muscular** insistence of a **performance** car

The hushed 6.75-litre V12 engine's 453 bhp enables the Phantom to surge impressively to 60 mph in just 5.7 sec, and continue effortlessly, where permitted, to an electronically limited top speed of 149 mph



It's a feeling that never fades. Driving the Phantom affords you the most **inspirational** view in motoring, and fills you with an **uplifting sense** of complete **satisfaction**

The Phantom's elevated driving position ensures you have a commanding view of the road, while in the rear, individual or lounge seating guarantees your passengers are cosseted in uniquely intimate style





An extension of your personality, an integral part of your lifestyle. The **Extended Wheelbase Phantom** is a car of its time, moulding itself to your mood and responding to your demands with absolute assurance

Combining ideal passenger ergonomics and high-tech entertainment, communication, navigation and climate control systems, the Extended Wheelbase Phantom makes light work of every situation





Unmatched opulence, total privacy and luxuriant space in which to work, think, or simply relax. The unique **Extended Wheelbase Phantom's** generous interior provides the ultimate automotive indulgence

Thanks to the adaptability of Rolls-Royce's aluminium spaceframe, the Extended Wheelbase Phantom's 250 mm of additional rear legroom comes without compromising its aesthetics or dynamism





## Your journey starts here...

The Rolls-Royce ownership experience begins the moment you meet your local dealer.

Wherever you are in the world, you can be assured of a warm welcome and spacious, comfortable surroundings. Once settled, our expert staff will discuss your requirements for the car, explain every facet of the Phantom to you in detail, and guide you through all the available paint, leather and veneer options with a huge array of samples and swatches.

You will also have the opportunity to test-drive the Phantom for yourself, either from the showroom, or we can make arrangements to have one of our team bring the car to a convenient location of your choice. Either way, it's a tantalising taste of pleasures to come.

Once you have a feel for the car, and the options available, you will be invited to view different colour and trim combinations on our high-tech 'configurator', which displays a detailed rendering of the Phantom on a large plasma screen. With the help of our showroom staff you will be able to try different body colours, including various two-tone schemes, apply coachlines, and even fit different sizes and styles of alloy wheel, before viewing the 'virtual' car from any angle.

The configurator can also create a representation of the Phantom's interior, so you can try different combinations

of leather – both colour and texture – and combine it with a range of high-gloss veneer or crossbanded veneer options. An exceptional tool, the configurator allows you to indulge your imagination.

Should the vision you have for your Phantom exceed the scope of our extensive range of colour and trim options, our staff will verse you in our Bespoke service. With a dedicated team of designers, engineers and craftspeople at our Goodwood headquarters, Bespoke enables you to create a completely individual Rolls-Royce, painted and upholstered in any colour, or combination of colours, you wish and boasting all manner of exquisite features, from a cigar humidor or refrigerated cool box to a tailor-made picnic hamper.

Naturally, the staff at your local Rolls-Royce Motor Cars dealership will be happy to discuss your requirements, and liaise with the Bespoke team on your behalf. If, however, you'd like to get more closely involved in the creation of your car, we invite you to visit Goodwood, both to see the assembly process, and to meet the people responsible for creating such very special cars.

Once you've taken delivery of your Phantom, you'll discover another enviable facet of Rolls-Royce ownership: total peace of mind, courtesy of a comprehensive 4-year/unlimited-mileage warranty, backed up by our inclusive 4-year free servicing package.







Rolls-Royce Phantom

## Goodwood

### The visionary home of Rolls-Royce Motor Cars

Nestled into the rolling Sussex Downs, Goodwood is the home of Rolls-Royce Motor Cars. Shaped by the vision of world-renowned architects, Sir Nicholas Grimshaw and Partners, the manufacturing plant and head office is a facility that inspires those who work within it, and sits sympathetically within the natural beauty of its setting.

Built low, to minimise its visual impact on the surrounding countryside, the building makes extensive use of natural materials in its construction. One glorious example is the roof: the largest single-span 'living roof' in Europe, planted with thousands of sedum plants, which change colour with the seasons. Another is the award-winning system of cedar louvres cladding the structure's exterior. Masterfully satisfying aesthetic and practical demands, they soften the exterior of the building, while shading those inside from the sun by reacting automatically to ambient light levels.

Forming an impressive three-sided courtyard, the manufacturing and administration buildings feature huge

expanses of glass. The enhanced sense of air and space that this provides helps to create the perfect environment in which our dedicated team can achieve exceptional things.

For visitors, this 'Glass Mile' provides an intriguing view of Rolls-Royce Phantoms in-build: an inviting scene that puts you 'inside' the building the moment you arrive.

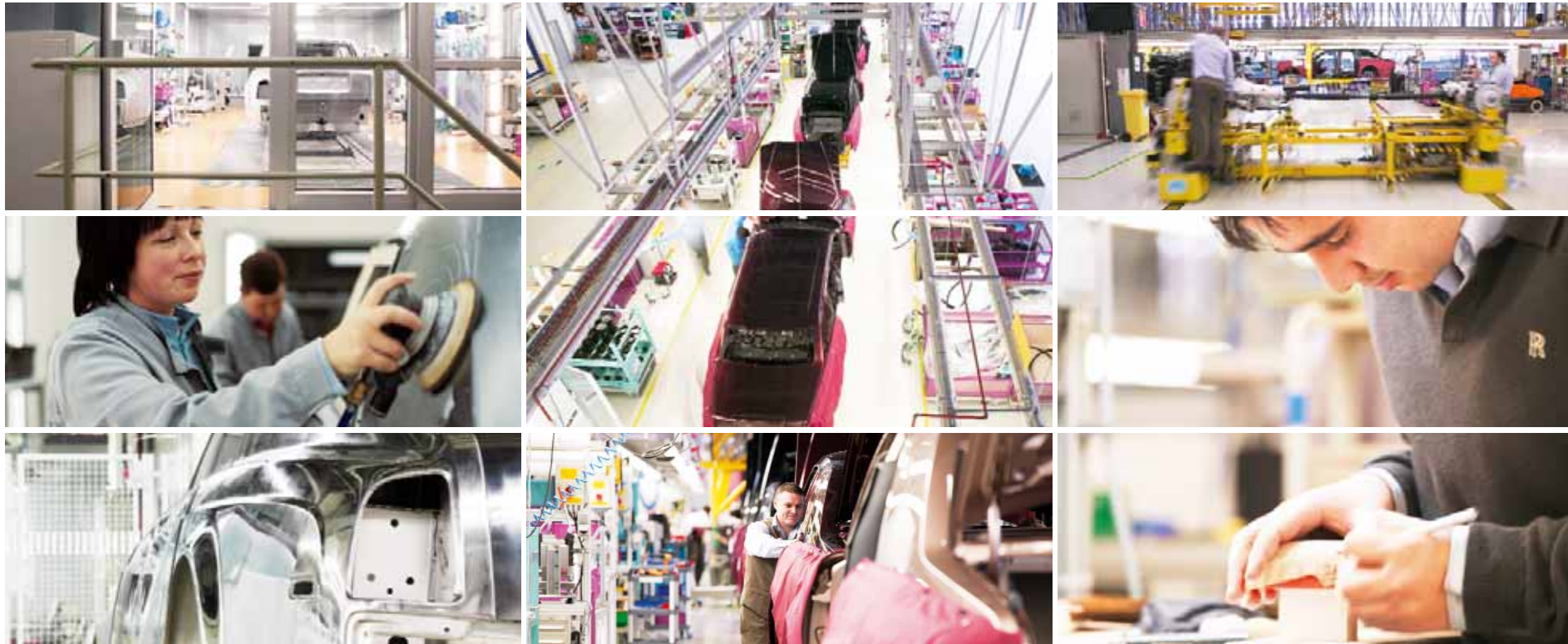
A purpose-designed facility, the manufacturing building satisfies all the requirements of a modern, forward-thinking car company like Rolls-Royce Motor Cars. Containing everything from the state-of-the-art assembly line, paint-spraying areas and extensive quality-testing facilities, to the more traditional wood and leather workshops, our Goodwood headquarters is unique in the motor industry: not only a fitting spiritual and emotional home for the most prestigious car company in the world, but a place where 21st century thinking and time-honoured craftsmanship have truly equal status.











**Absolute quality** is the overriding goal in everything we do here at Goodwood. Our dedicated and **highly skilled** team of craftspeople invest heart and soul into striving to achieve one thing: **perfection**



#### 1. Surface finishing

Achieving a flawless shine is an exacting process to which there are no short cuts. Robots are used in part, but some areas of the body can only be hand-sprayed by our craftspeople. Primer, base coat and clear coat layers are carefully applied, with a curing process between each, before each freshly-painted Phantom bodyshell is painstakingly hand-polished. Only then will it display a mirror-like lustre, and be deemed ready to take its place on the assembly line.

#### 2. Assembly line

Approximately 86 people work on the assembly line, in 22 separate stations. It's here that Phantom bodyshells are transformed into finished cars, over a period of 24 days. The most emotive stage is 'the marriage': the critical phase where the engine and transmission are united with the Phantom shell. Inevitably, many innovative components become hidden during assembly. Rest assured, the benefits of these 'invisible' parts are felt in the finished car.

#### 3. Wood workshop

Our craftspeople spend up to a month preparing, matching, shaping and finishing the set of veneers, and the wooden 'carriers' to which these precious slivers are bonded. Before working for Rolls-Royce Motor Cars, many of our wood craftspeople were fine cabinet-makers, and it's their knowledge of the material, and eye for detail, that enables them to 'book-match' the unique patina of each veneer, creating a mesmerising mirror-image of the grain throughout the interior.

#### 4. Leather workshop

The softest leather you have ever touched in a car swathes the interior of every Phantom. Dyed rather than painted on, the colour permeates the entire hide, ensuring higher resistance to ageing and none of the creaking associated with traditional leather upholstery. Each hide is inspected, cut with laser-guided accuracy, then sent to workstations, where our craftspeople set to work. The result is an opulent, aromatic interior beyond compare.

#### 5. Quality testing

Assembly complete, each Phantom is subjected to a series of rigorous tests. A shaker rig 'settles' the suspension before precise final alignment. A rolling road brings the engine and transmission up to full working temperatures, while a 'monsoon' test simulates intense rainfall to ensure the car is watertight. A road-test on the roads around Goodwood follows, along with final visual and electrical checks. Only once these tests have been passed can the car be lovingly prepared for delivery.



## Maximising core values

Rolls-Royce Motor Cars has pioneered a tradition of technology since 1904. Fittingly, as the first Rolls-Royce of the 21st century, the Phantom proudly reclaims the company's position at the very forefront of innovative automotive design, engineering and construction.

At its core is an advanced aluminium spaceframe. The largest of its kind ever made in the automobile industry, it's painstakingly constructed from some 200 sections of extruded aluminium and more than 300 sheet alloy components, which are hand-welded by highly-skilled craftspeople. Though hidden from view in the finished car, it's one of the Phantom's undoubted engineering highlights.

A solid basis for our chassis engineers to achieve an unprecedented combination of pliancy and dynamism, the spaceframe also facilitates some unique packaging and ergonomic solutions. The double-skinned floor, for example, not only enables us to create a flat floor

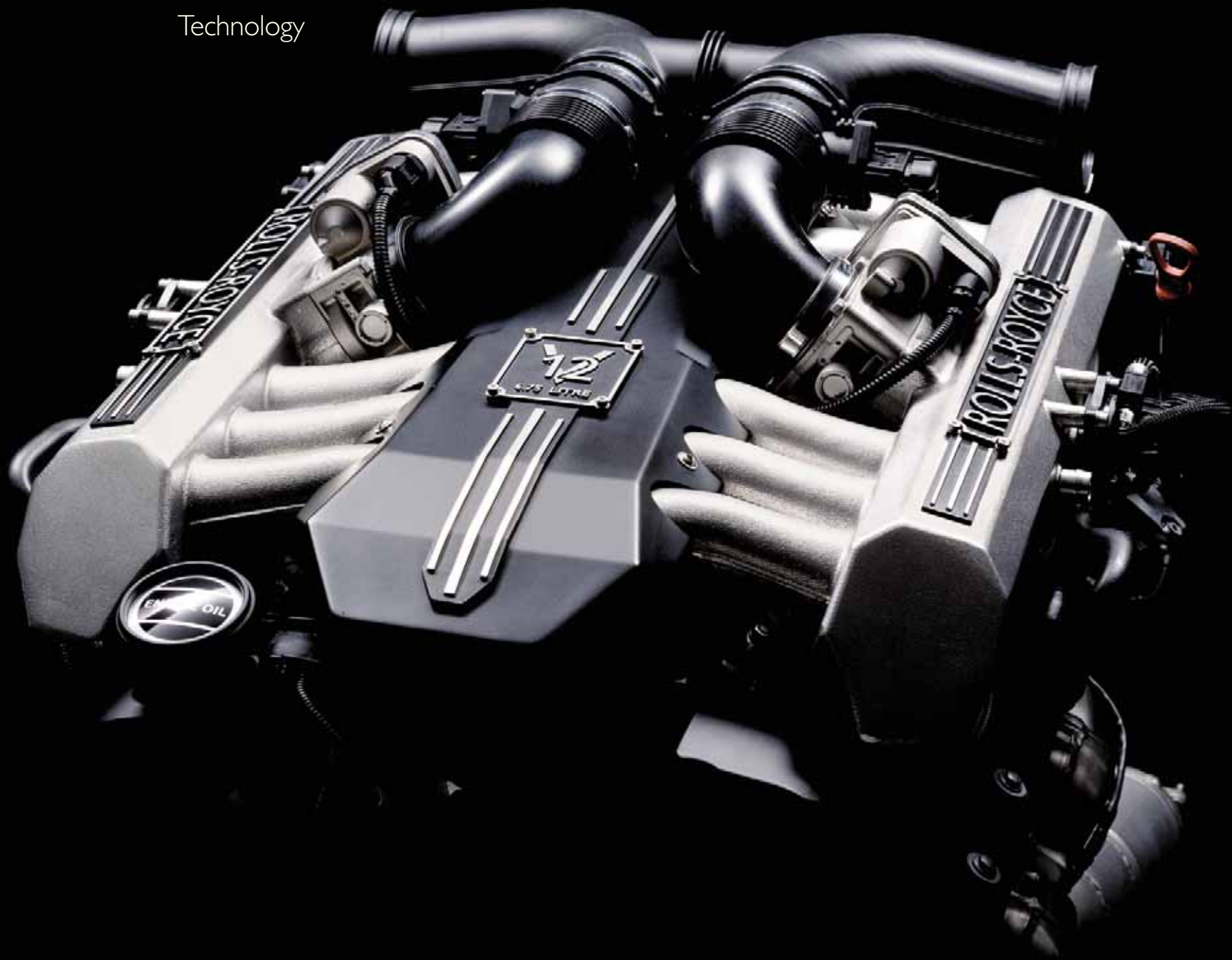
in the passenger compartment, but allows us to run all the Phantom's arterial systems through the void space beneath. It also contributes to the Phantom's hushed ambience by isolating passengers from road noise.

This space is also used to create a pair of 16-litre underfloor acoustic chambers, which house two of the Lexicon LOGIC7 audio system's 15 speakers. To hear your favourite music as never before, why not bring a CD, or your MP3 player, when you visit your local Rolls-Royce dealership?

Packed with sophisticated systems including Bluetooth hands-free phone, satellite navigation and multi-zone climate control, the Phantom is a complex machine. That's why our designers have kept things simple, supplementing the dashboard's elegant primary switchgear with a simple, solitary rotary controller housed within the centre console. The result: maximum control with minimal effort.







The power and the glory

Abundant, effortless power has always been an essential element of the Rolls-Royce driving experience. Never more so than in the Phantom, which uses an all-aluminium, 6.75-litre, 48-valve, V12 direct-injection petrol engine of unparalleled sophistication, refinement and potency.

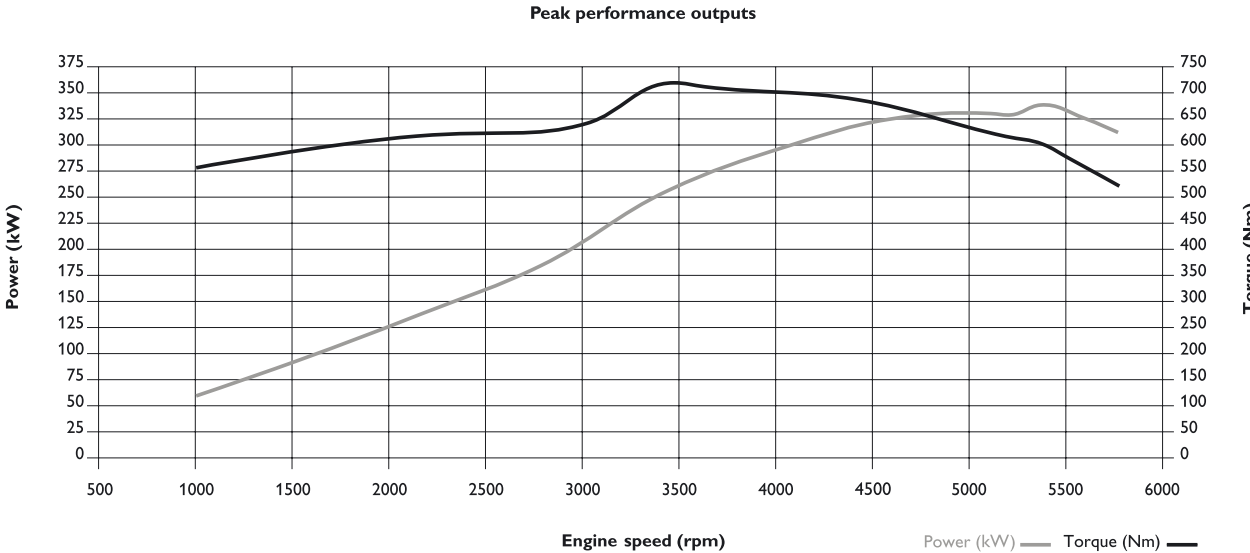
Developed specifically for the Phantom, and painstakingly hand-assembled by dedicated Rolls-Royce technicians, this impressive engine is packed with world-leading engineering. Pioneering the use of direct petrol injection, it also incorporates variable camshaft timing and variable valve lift systems, which enable the naturally-aspirated V12 to maximise fuel efficiency and minimise emissions, yet still deliver a style of immediate and unstinting performance unique to Rolls-Royce Motor Cars.

Producing a maximum of 453 bhp and 720 Nm of torque, the Phantom's V12 is abundantly muscular; but only when you discover that 75 per cent of that torque figure is available from just 1,000 rpm can you fully appreciate its huge breadth of response. A 'Power Reserve' dial on the dashboard provides a graphic illustration of the Phantom's superior performance, for while cruising on

a level road at 70 mph, it indicates that some 93 per cent of the V12's power remains untapped.

Such is the Phantom's extraordinary tractability, its six-speed, electronically controlled automatic transmission is equipped with a broad spread of ratios and specially programmed for very early upshifting and late downshifting, to maximise the impression of seamless progress. Normal starts are tackled in second gear, while a kickdown switch on the electronic throttle activates first gear for maximum acceleration. For complete control in mountainous terrain, 'low' can be selected via a button located on the steering wheel.

Thanks to the standard fitment of Michelin's PAX run-flat wheel and tyre system (or Goodyear's EMT system with the optional 21" wheels) the Phantom is immune to punctures. Whichever system is fitted, the Phantom is able to continue with a puncture for at least 100 miles at speeds up to 50 mph. An added benefit of the run-flat tyres is that they eliminate the need for a spare wheel and jack, thereby reducing unnecessary weight and increasing space in the luggage compartment.





## An immaculate pedigree

Few car companies can boast as long and rich a history as Rolls-Royce. None possess its proud reputation for consistently building the world's finest cars, nor its enduring place in the hearts of Hollywood stars, business moguls and even royalty.

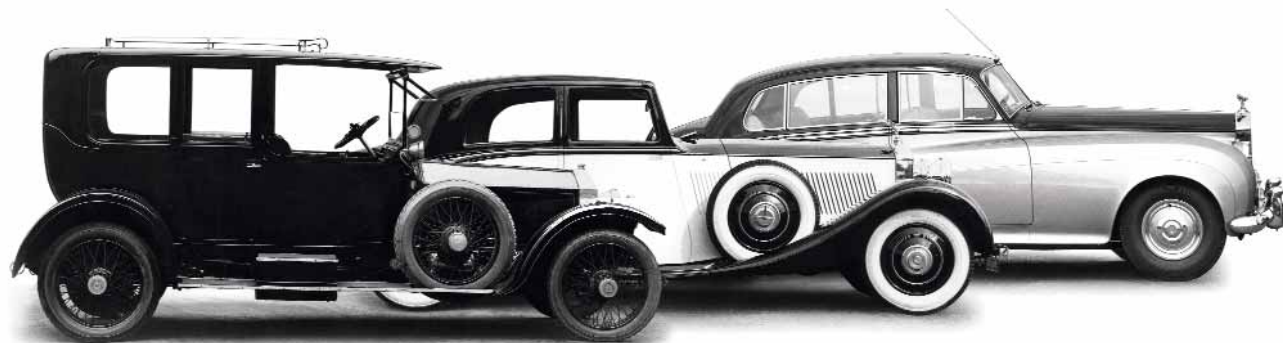
Forged more than a century ago, this ultimate motoring accolade is something the Phantom unquestionably lives up to. Faced with a challenge both daunting and stimulating in equal measure, the Phantom's design team boldly pursued the values pioneered by Sir Henry Royce himself, combining forward-thinking engineering with the need for utmost quality and unmatched grace.

With such an immaculate depth of heritage to draw from, it's no wonder the Phantom takes inspiration from its

illustrious forebears. Cars such as the 1907 Silver Ghost: a model of such unprecedented refinement and reliability that it successfully completed a non-stop durability trial lasting a staggering 14,371 miles.

Then there were the elegant Phantom I, II and III models that graced the 1920s and '30s – the last of which was the first Rolls-Royce to feature a V12 engine – and the Silver Cloud of the 1950s: wonderful cars which epitomised the unique Rolls-Royce look, characterised by a long wheelbase, short front overhang, deep C-pillar and long bonnet.

It's through this respect for the past, together with a tireless desire to innovate and improve, that the 21st century Phantom was born. And how, through visionary engineering, the Rolls-Royce renaissance is set to continue.



Rolls-Royce Phantom

**Right** Rolls-Royce has long been synonymous with Hollywood's finest. Occasionally it has even outshone them. Here, Omar Sharif reclines alongside Ingrid Bergman on the set of *The Yellow Rolls-Royce* (1964)

**Below left** Generations of inspiration: parked from left to right, the original 1907 Silver Ghost, the Rolls-Royce Phantom II Continental Sports Saloon and the majestic Silver Cloud





## EX: A vision of tomorrow, today

Forward-thinking design and advanced engineering have been cornerstones of Rolls-Royce since 1904. When the goal is to build the world's finest cars, they have to be.

In 1919, Rolls-Royce built its first experimental car, called 1EX. It was used as a rolling test-bed to develop ideas and engineering solutions that could be incorporated into future production Rolls-Royce cars. A long line of EX cars followed over the next 40 years, culminating in 45EX in 1958.

It's to this tradition of pioneering, visionary engineering that a revitalised Rolls-Royce returned in 2004, with 100EX: a sensational experimental car built to celebrate the company's centenary, and to explore adventurous concepts and bold technology fit to drive the company into its second century.

Using the Phantom's aluminium spaceframe as a starting point, 100EX explored how Rolls-Royce might approach open-top motoring. Shorter and lower than the Phantom, 100EX was styled to express its performance potential more clearly, while retaining the effortless composure and maturity typical of the marque.

At the front, the famous grille reclines at a more rakish angle, blending with a dramatic bonnet and immensely strong windscreen A-pillar, each milled from single blocks of aluminium, and brushed to a high sheen. Beneath the bonnet sits a one-off 9-litre, V16, 64-valve, direct-injection

engine, developed to evaluate means of taking Rolls-Royce performance to a new level.

A strong nautical theme characterises 100EX's interior. Beautiful teak decking is used extensively, its unique look and feel bringing added pleasure and tactility to a car dedicated to sensory indulgence. Most significantly, 100EX is true to the ethos of Rolls-Royce's experimental cars, for lessons learned during the project have been applied directly in the forthcoming convertible.

Buoyed by the success of 100EX, Rolls-Royce has followed it with 101EX: a 21st century interpretation of the classic Grand Touring coupé. Once again it uses an aluminium spaceframe, but with a lower roofline, shorter wheelbase and sleek carbon-fibre composite body panels – a first for Rolls-Royce. Using the same powerful 6.75-litre, 48-valve, direct-injection V12 found in the Phantom, 101EX is a lithe, muscular machine, conceived as a means of developing a more overtly sporting Rolls-Royce.

Inside, the waistline of the car is high, to emphasise the cocoon-like nature of the cockpit, which provides intimate, opulent space for four. It also features an extraordinary 'Starlight headliner', which uses fibre-optics woven into the headlining to create the illusion of a star-filled night sky. In the finest tradition of Rolls-Royce's experimental cars, 101EX provides another tantalising taste of what might be.







RR-1 Build Card Trim & Final

Order Number

XXXXXXXX

Order info

Codes	Model code	Engine Code	Einstein Seq. No.	Build Time
LL LI	FK61 ECE	N73R	0000002508	14.06.2006 10:06
IGEF Number:			VIN Number	Planned F2 Week
			XXXXXXXXXX	2006 06 CW 26



# BESPOKE VEHICLE

490 Paintwork in Black Sapphire (BASF FW60-9475-0025) Mono, including sils in main body colour

ABL.ERW: I0607.R

Z1XX Lambswool rugs in Seashell

ABL.ERW: I0604.R

Boot trim carpet in Consort red

ABL.ERW: I0605.S

Remainder of interior in Consort Red as RARC

ABL.ERW: I0608.R

940 Extended Wheel base = 250mm stretch

- - - - -

- - - - -

- - - - -

ABL.ERW: I0675.T I0676.T I0677.T I0678.T I0679.T

Vanity Mirrors for EWB

- - - - -

- - - - -

ABL.ERW: I0657.S I0678.T

Partition Wall

- - - - -

ABL.ERW: I0654.T I0670.T

Thinner Front Seats

ABL.ERW: I0687.T

Safe in Boot

ABL.ERW: I0648.U

Humidor in Glove Box

ABL.ERW: I0662.U

Twin Coachlines in a Gold Colour as RD4

ABL.ERW: I0611.R

Spirit of Ecstasy in Gold Plated

ABL.ERW: I0649.U

“Spirit of Ecstasy” inlay to veneered door cappings (front and rear)

To be placed centrally over book matching in Gold

ABL.ERW: I0622.S

paintwork and interior leather. Likewise, if you have a crest or insignia, our team of craftsmen can emboss or embroider it into the leather; inlay it into the wood veneer, or even paint it onto the bodywork.

And this is just the start. So long as the Phantom's high levels of safety and reliability aren't compromised, Bespoke will find a way to incorporate your ideas into your car. Past challenges include installing a cigar humidor that integrates perfectly with the rest of the car; a chilled drinks cabinet, with fine glassware, and a secure safe located in the boot.

Naturally, your local authorised Rolls-Royce Motor Cars dealer will be happy to discuss your requirements in detail, and liaise with the factory on your behalf. Alternatively, if you wish for even greater involvement, you are welcome to visit Goodwood and meet the Bespoke technicians, who will gladly explore every avenue of possibility in order to satisfy your wishes.

Further proof that when deciding on the final specification of your Rolls-Royce, the only limit is your imagination.

## Bespoke

You commission it, like a piece of fine art or a super yacht.

Every Phantom is hand-built and hand-finished to exceptional standards by the best technicians and craftspeople in the motor industry. It's this exacting approach that distinguishes Rolls-Royce from the rest, and makes the Phantom so very special.

However, our commitment to fulfilling our customers' wishes is second to none, which is why we offer the Bespoke programme, a service designed to enable a customer to create a car completely personal to them.

Working in a special area of the Goodwood production facility, the Bespoke team are dedicated to finding new paints, materials, technology and engineering solutions that can be used to turn your dreams into high-quality, no-compromise reality.

From the smallest details to the boldest statement, Bespoke can make it happen. If you have a favourite colour, Bespoke will match it, precisely, both for exterior





Individual  
Vehicle Docket

From the moment a car is commissioned with Bespoke features, every detail of its specification is outlined on a distinctive yellow document, called the Individual Vehicle Docket.

The docket then accompanies the Phantom for the duration of its time at Goodwood, from its arrival as a primed bodyshell awaiting the painting process, to final inspection before delivery. A rapid reference point for the numerous technicians involved in the assembly of each and every Phantom, it's the 'fingerprint' that identifies each car throughout the painstaking assembly process. Assembly-line technicians also use computer terminals located at each of the 22 stations along the assembly line, updating the build sheet of each Phantom to provide a detailed record of who has worked on the car, what they have done, and what work remains to be carried out before the car is completed.

With such a tempting array of options, and the limitless scope of the Rolls-Royce Bespoke programme, it should come as no surprise to discover that all but a handful of the Phantoms travelling down Goodwood's assembly line carry the unmistakable yellow docket.





Any colour  
you like...

Black is just one of a limitless palette of colours available for the Phantom. With an amazing 44,000 catalogued hues to choose from, not to mention the option of painting your Phantom in two contrasting shades, you can be as bold or discreet as you wish. Should you crave complete individuality, our Bespoke team can create a unique colour, and they can even name it after you.

Our special **Xyallic** paint contains additional particles to create a more vibrant, complex sparkle than with conventional metallic paints. Painstaking surface-finishing processes, five layers of high-gloss clear coat and many hours of hand-polishing create a finish of endless depth and unrivalled sheen, while a hand-painted, precisely level coachline, some six metres long and exactly three millimetres in width, is a subtly impressive finishing touch.

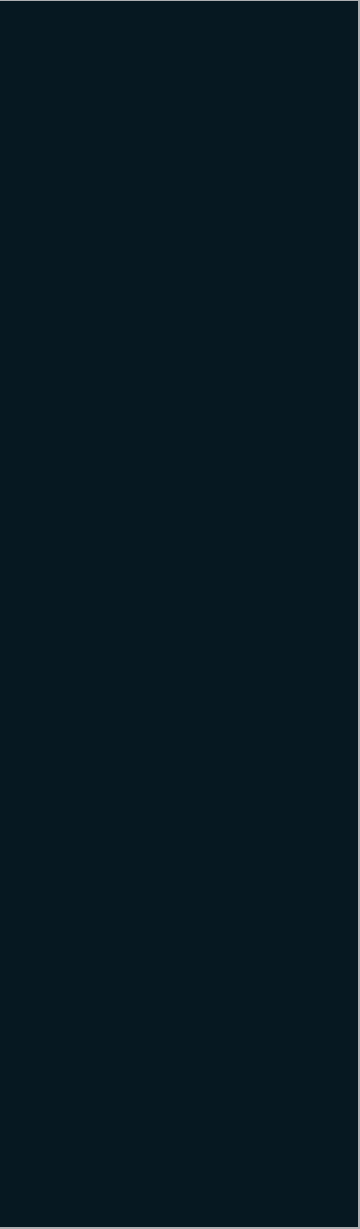


**Mark Court**  
Coachline hand-painter

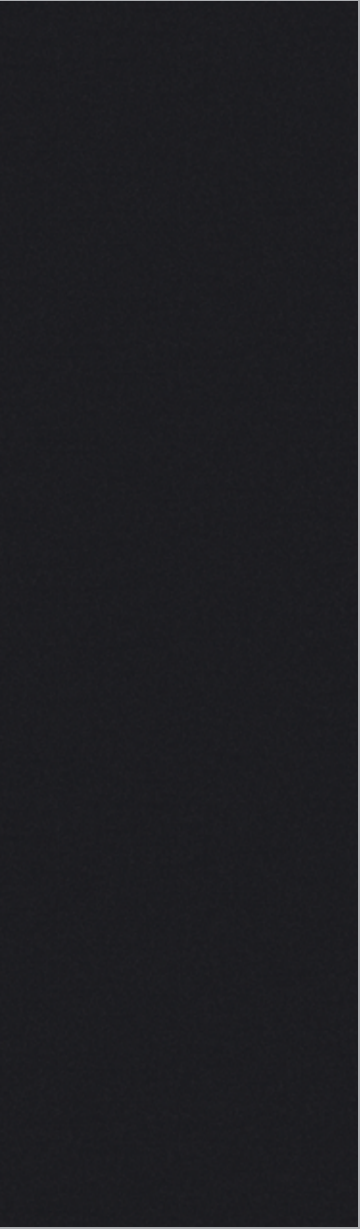
'The first time I painted the standard six metre long coachline was quite daunting – it's a long distance to get perfectly straight. Now it doesn't worry me at all. It takes about three hours to paint a single line. The paint we use is specially formulated to go smoothly over the clear top coat, and there's time to rectify it if I make a mistake.

'The coachline really finishes the car, making it stand out and breaking up the bodywork in a pleasing way. The convention is that the colour of the coachline is matched to the interior, but some Bespoke orders break the rules.'

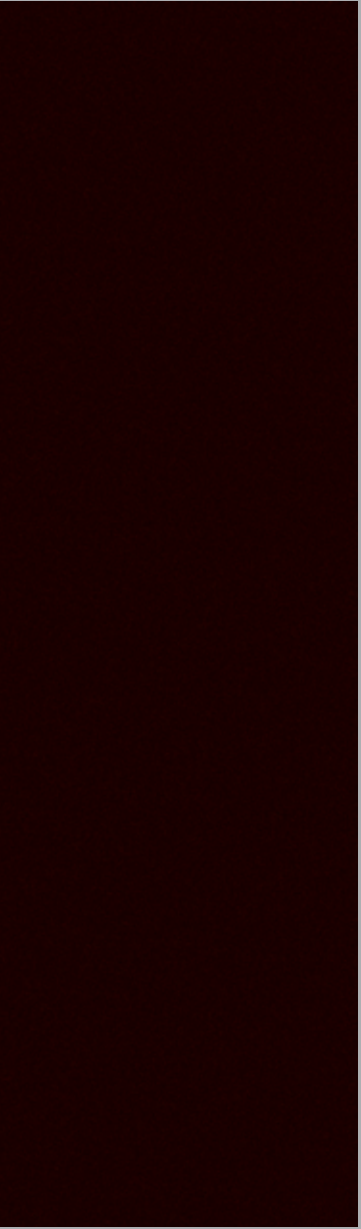




Black



Diamond Black



Black Kirsch



Black Green



Midnight Blue



Blue Velvet



Royal Blue



Titanium



Platinum



Silver



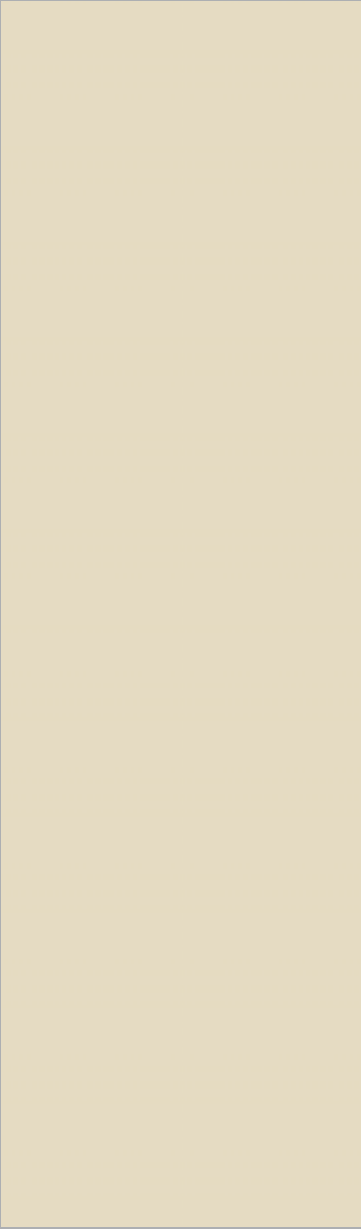
For a full explanation of all the available exterior colour combinations and applications, please consult your authorised Rolls-Royce Motor Cars dealer. The visuals below are intended for guidance only and may not accurately reflect the actual colour and trims.



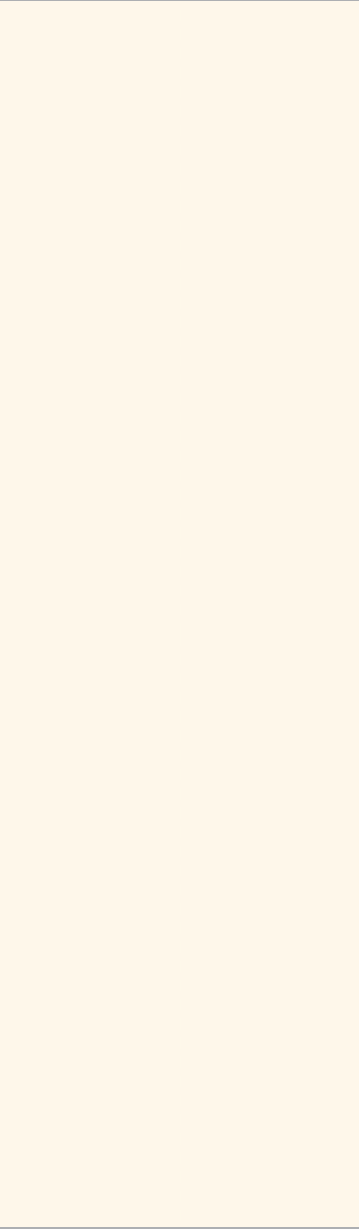
Ensign Red



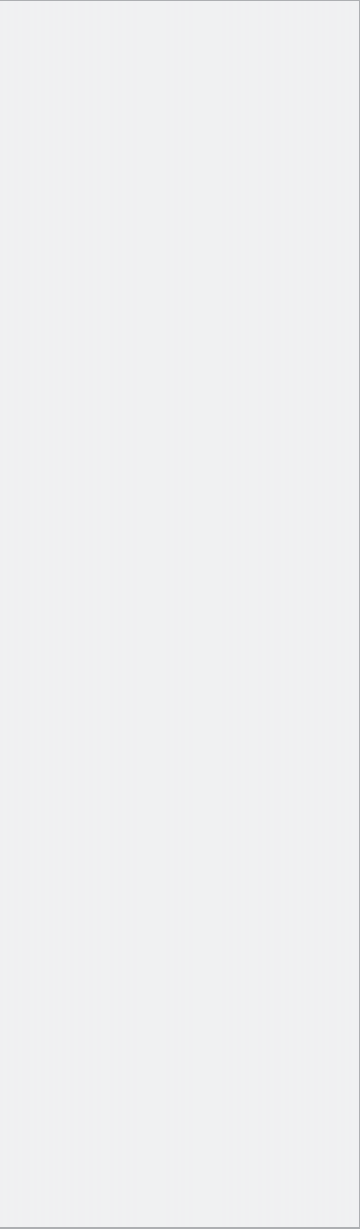
Madeira Red



Cornish White



English White



Arctic White



Flagstone / Black Green



Anthracite / Silver Sand



Silver / Contrast Silver



Silver Sand / Anthracite



Platinum / Titanium



Sumptuous  
luxury beyond  
compare...

Fabulously soft to the touch, Rolls-Royce leather upholstery is so supple it doesn't squeak or creak like that found in other cars. Reassuringly, it will not crack with age, thanks to a dyeing process specially developed for Rolls-Royce Motor Cars to give a rich, uniform pigmentation through the entire hide.

Rigorously inspected for imperfections, precisely trimmed by laser-guided cutter and lovingly stitched by expert machinists, the leatherwork in a Phantom takes 17 days to complete. No wonder it's the finest you'll find in any motor car.



**Mike Pratt**  
Process area manager for  
Leather interior trim

'All our skins come from a special herd of Bavarian cattle – always the best A-grade quality and always bull leather because cow leather has areas of stretching and doesn't yield so well.'

'Each car contains three different leathers – natural grain for the seats and trims; pre-shrunk to prevent brittleness for sun-lit areas, and embossed leather, for the central console and door trims.'

'The greatest skill is in matching the grain and colour of the hides, as it can take up to 18 hides and 450 separate pieces to upholster a Phantom.'





Black

Dark Grey

Navy Blue

Blue Grey

Smoke Grey

Light Grey

Seashell

Oatmeal

Cornsilk

Moccasin

Tan

Consort Red



For a full explanation of all the available interior colour combinations and applications, please consult your authorised Rolls-Royce Motor Cars dealer. The visuals below are intended for guidance only and may not accurately reflect the actual colour and trims.



Black / Cornsilk      Dark Grey / Seashell      Smoke Grey / Roseleaf      Light Grey / Navy Blue      Seashell / Black      Seashell / Navy Blue



Cornsilk / Roseleaf      Cornsilk / Navy Blue      Moccasin / Black      Tan / Moccasin      Consort Red / Black



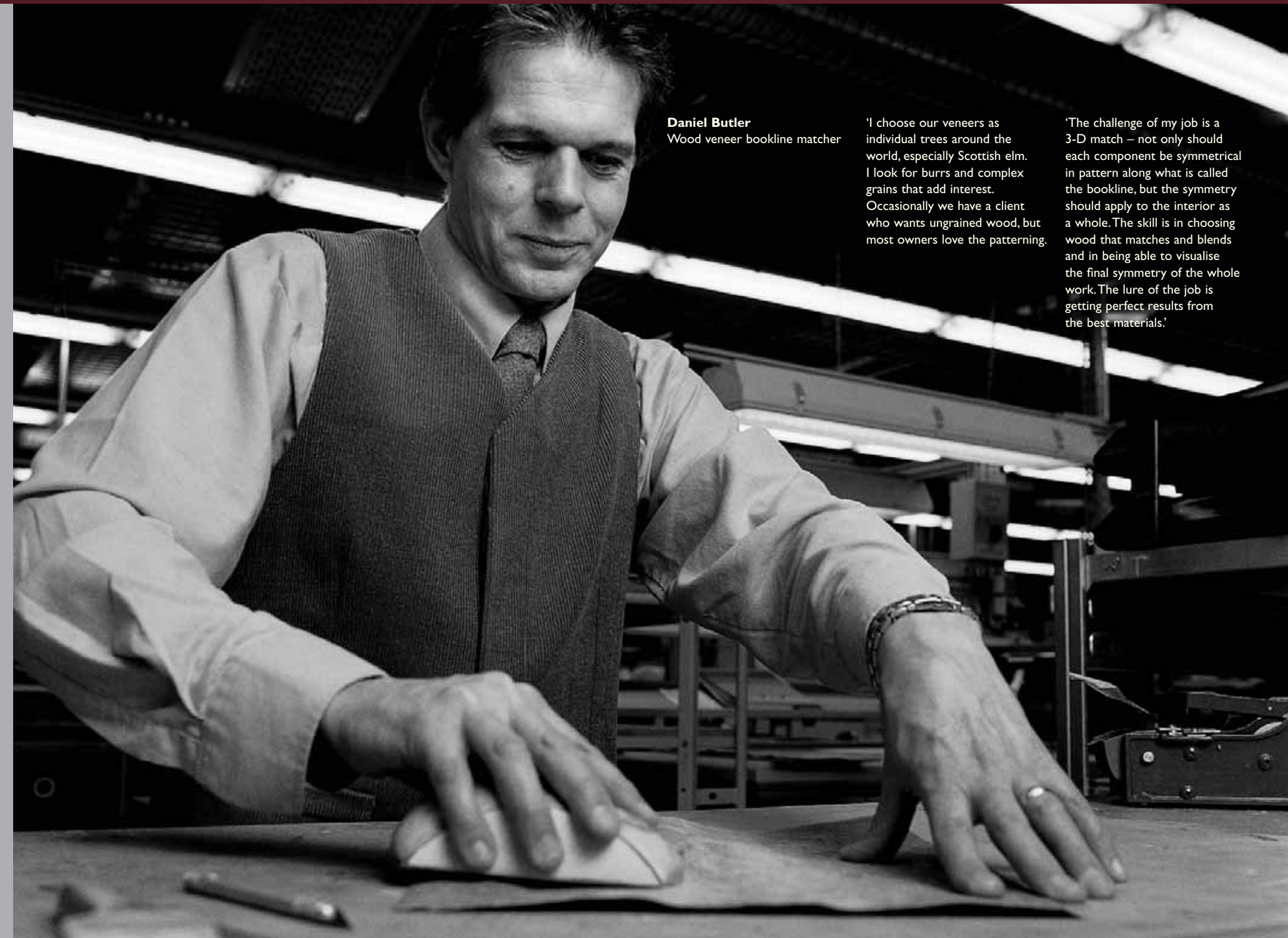
It can take centuries to create a perfect Rolls-Royce interior...

Walnut and Bird's Eye Maple from North America. Mahogany from Africa. Elm from Scotland. Oak from Europe. We search the world to ensure only the finest wood veneers are used in the Phantom's interior.

Once acquired, the precious veneers are shipped to Goodwood, where they are stored in a specially humidified room, so that the wood can absorb moisture and become supple enough to work without cracking.

Our craftspeople require up to 5m<sup>2</sup> of veneer to 'book match' a complete Phantom interior; the highly skilled technique that ensures that the grain on the left-hand side of any veneered panel is an exact mirror image of that on the right.

Crossbanding is another technique employed by our wood craftspeople. Using contrasting veneers and fine inlaid Boxwood beading, it's an incredibly labour-intensive process, but one that creates a distinctive alternative to the single veneer finish.



**Daniel Butler**  
Wood veneer bookline matcher

'I choose our veneers as individual trees around the world, especially Scottish elm. I look for burrs and complex grains that add interest. Occasionally we have a client who wants ungrained wood, but most owners love the patterning.'

'The challenge of my job is a 3-D match – not only should each component be symmetrical in pattern along what is called the bookline, but the symmetry should apply to the interior as a whole. The skill is in choosing wood that matches and blends and in being able to visualise the final symmetry of the whole work. The lure of the job is getting perfect results from the best materials.'





Figured Mahogany



Elm Cluster



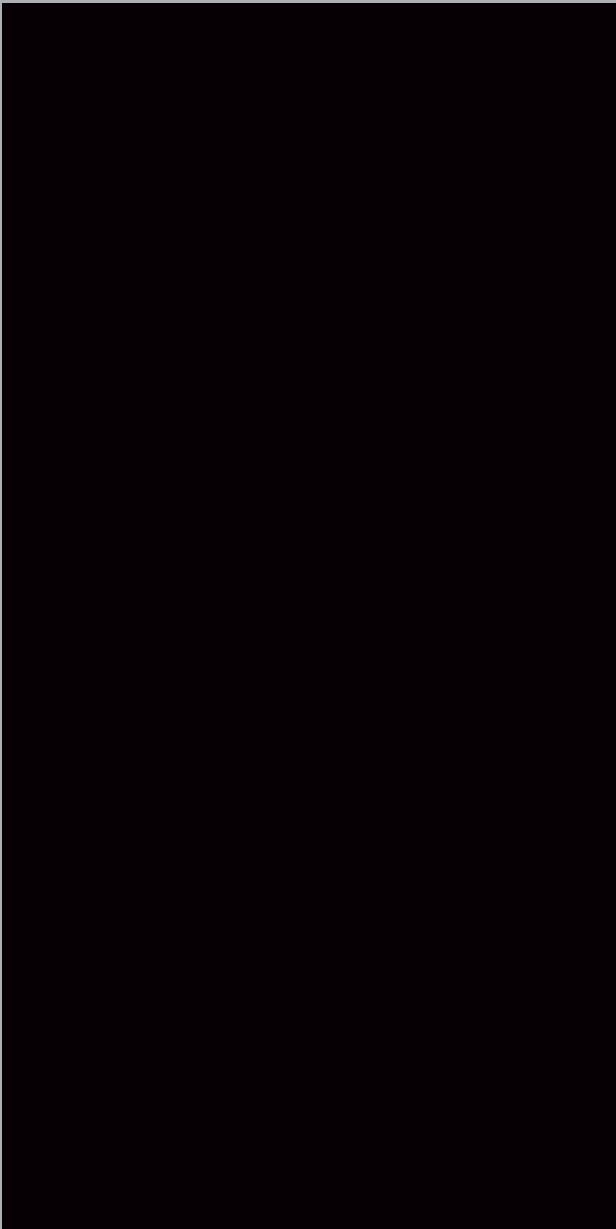
Oak Burr



Walnut Burr



Bird's Eye Maple



Piano Black



For a full explanation of all the available veneer combinations and applications, please consult your authorised Rolls-Royce Motor Cars dealer. The visuals below are intended for guidance only and may not accurately reflect the actual veneers.



Crossbanded Figured Mahogany



Crossbanded Burr Walnut



Crossbanded Oak Burr



Crossbanded Elm Cluster



Crossbanded Bird's Eye Maple



Finishing touches...

In addition to the comprehensive range of colour and trim finishes, we provide an extensive and imaginative range of options and accessories. This wide-ranging selection includes a choice of alloy wheel designs and finishes, a single or double hand-painted coachline, rear privacy glass and curtains, a drinks cabinet and cool box and even a camera system to assist you when manoeuvring in confined spaces, or when emerging from junctions with restricted visibility. Our range of accessories offers further opportunity to personalise and protect your Phantom. Items such as carpet floor mats and a leather bumper protection apron prevent accidental damage, while a choice of indoor and outdoor car covers, and a luxury car kit ensure your Phantom remains in perfect condition. Indeed, with such a tempting array of items on offer, the problem is not so much in deciding which to have, but which to deny yourself.



**Left**  
The 12" monitor – part of Theatre Configuration – elegantly folds out from the rear of the front seats

**Opposite**  
Slide / Tilt sunroof, contrast stitching & embroidered RR emblem in headrest





Options & accessories

Slide / Tilt glass sunroof (standard in USA & Canada)

- 21" alloy wheels including chrome wheel centres with Goodyear EMT run-flat performance tyres
- 21" chrome-finish alloy wheels including chrome wheel centres with Goodyear EMT run-flat performance tyres
- Chrome-finish PAX alloy wheels including chrome wheel centres with standard Michelin PAX run-flat performance tyres
- Chrome wheel centres for standard PAX wheels

- Single coachline
- Double coachlines
- Side two-tone paint scheme
- Upper two-tone paint scheme

Camera system – front & rear (not available in Germany)

- Veneered steering wheel spokes (not available with Piano Black veneer)
- Veneered fascia & rear air vent surround
- Hide-trimmed fascia (passenger-side only)
- Colour-keyed boot trim

- Rear privacy glass (not available in North, Middle and South America, Malaysia, Singapore, Hong Kong, Korea, Australia, New Zealand and South Africa)
- Curtains for rear window (available in sheer or opaque fabric in a selection of colours)
- Curtains for rear compartment (available in sheer or opaque fabric in a selection of colours)

Extended leather headlining with colour-coded leather (not available with Slide / Tilt sunroof)



**From left to right**  
Standard PAX alloy wheel (silver finish),  
PAX alloy wheel (chrome finish),  
21" alloy wheel (chrome finish)

**Opposite**  
21" alloy wheel (silver finish)





Options & accessories

Individual seats for rear compartment  
Theatre configuration with 12" monitors integrated into the rear of the front seats  
Lambswool rear seat cover  
Embroidered RR emblem on all headrests

Rear auxiliary climate control (standard in Middle East)  
Picnic tables with veneered backs (not available with theatre configuration)  
Drinks cabinet for individual seats  
Cool box for individual seats  
Cool box for lounge seat  
Six-DVD/CD changer

Reversible foot rests  
Carpet foot mat set

Chromed front number-plate plinth  
Polished stainless steel rear number-plate frame (suitable for all US-style plates)  
Leather bumper protection apron  
Four-piece stowage net set  
Luggage compartment mat  
Tailored two-piece lambswool luggage compartment mat  
Breathable indoor car cover  
Breathable waterproof outdoor car cover  
Airflow storage system  
Luxury car care kit  
Battery charger  
Luxury tool kit  
Snowchains (not available for 21" alloy wheels)  
All-season run-flat Michelin PAX tyres (available for all PAX alloy wheels)  
Fire extinguisher  
Sunshield

**Opposite**  
Double coachline





Technical specification  
World version

	Phantom	EWB
<b>Dimensions</b>		
No of doors / seats	4 / 5	4 / 5
Vehicle length	5834 mm / 229.7 in	6084 mm / 239.5 in
Vehicle width	1990 mm / 78.3 in	1990 mm / 78.3 in
Vehicle height (unladen)	1632 mm / 64.3 in	1634 mm / 64.3 in
Wheelbase	3570 mm / 140.6 in	3820 mm / 150.4 in
Turning circle	13.8 m / 45.3 ft	14.6 m / 47.9 ft
Track, front	1685 mm / 66.3 in	1685 mm / 66.3 in
Track, rear	1670 mm / 65.7 in	1670 mm / 65.7 in
Width at shoulder height, front	1509 mm / 59.4 in	1509 mm / 59.4 in
Width at shoulder height, rear	1431 mm / 56.3 in	1431 mm / 56.3 in
Leg room, front	1028 mm / 40.5 in	1028 mm / 40.5 in
Leg room, rear	947 mm / 37.3 in	1197 mm / 47.1 in
Head room, front	1020 mm / 40.2 in	1020 mm / 40.2 in
Head room, rear	979 mm / 38.5 in	979 mm / 38.5 in
Boot volume (DIN)	460 ltr / 16.2 cu ft	460 ltr / 16.2 cu ft
Fuel tank capacity	100 ltr / 22 Imp gal	100 ltr / 22 Imp gal
<b>Weight</b>		
Unladen weight (DIN)	2550 kg / 5622 lb	2670 kg / 5886 lb
Axle load ratio, rear (unladen)	49.6 <span> </span> %	49.1%
Gross vehicle weight	3050 kg / 6710 lb	3170 kg / 6989 lb
Payload	500 kg / 1102 lb	500 kg / 1102 lb
Axle load limit, front	1425 kg / 3141 lb	1475 kg / 3252 lb
Axle load limit, rear	1800 kg / 3968 lb	1800 kg / 3968 lb
<b>Engine</b>		
Engine / cylinders / valves	V / 12 / 48	V / 12 / 48
Fuel management	Direct injection	Direct injection
Displacement	6749 cc / 411.8 cu in	6749 cc / 411.8 cu in
Stroke	84.6 mm / 3.33 in	84.6 mm / 3.33 in
Bore	92.0 mm / 3.62 in	92.0 mm / 3.62 in
Power output @ engine speed	453 bhp / 460 PS (DIN) / 338 kW @ 5350 rpm	453 bhp / 460 PS (DIN) / 338 kW @ 5350 rpm
Max torque @ engine speed	720 Nm / 531 lb ft @ 3500 rpm	720 Nm / 531 lb ft @ 3500 rpm
Compression ratio / Fuel type	11:1 / super unleaded'	11:1 / super unleaded'
<b>Transmission</b>		
Transmission type	ZF 6HP32	ZF 6HP32
<b>Gear ratios</b>		
1st / 2nd / 3rd /	4.171 / 2.340 / 1.521 /	4.171 / 2.340 / 1.521 /
4th / 5th / 6th	1.143 / 0.867 / 0.691	1.143 / 0.867 / 0.691
Reverse	3.403	3.403
Final-drive ratio	3.460	3.460

Rolls-Royce Phantom

	Phantom	EWB
<b>Aerodynamics</b>		
Drag Cd	0.38	0.38
Drag Cd x A	1.071 m² / 11.5 ft²	1.071 m² / 11.5 ft²
<b>Steering &amp; brakes</b>		
Steering type	Rack & pinion, speed-sensitive variable-rate power assistance	Rack & pinion, speed-sensitive variable-rate power assistance
Brakes, front / diameter	Ventilated disc / 374 mm / 14.7 in	Ventilated disc / 374 mm / 14.7 in
Brakes, rear / diameter	Ventilated disc / 370 mm / 14.6 in	Ventilated disc / 370 mm / 14.6 in
<b>Performance</b>		
Top speed	149 mph / 240 km/h (governed)	149 mph / 240 km/h (governed)
Acceleration 0-60 mph	5.7 sec	5.9 sec
Acceleration 0-100 km/h	5.9 sec	6.1 sec
Acceleration 0-1000 m	25.6 sec	
<b>Fuel consumption</b>		
Urban	23.2 ltr/100 km / 12.2 mpg	23.3 ltr/100 km / 12.1 mpg
Extra urban	11.3 ltr/100 km / 25.0 mpg	11.4 ltr/100 km / 24.8 mpg
CO₂ emissions	377 g/km	380 g/km
<b>Wheels (standard PAX alloy)</b>		
Tyre	Michelin PAX 265/790 R540 A 111W	Michelin PAX 265/790 R540 A 111W
Wheel size, front & rear	265 x 540 A	265 x 540 A
<b>Wheels (21” alloy)</b>		
Tyre, front	Goodyear EMT 255/50 R21 106W	Goodyear EMT 255/50 R21 106W
Wheel size, front	8” x 21”	8” x 21”
Tyre, rear	Goodyear EMT 285/45 R21 109W	Goodyear EMT 285/45 R21 109W
Wheel size, rear	9.5” x 21”	9.5” x 21”
<b>Filling capacities</b>		
Radiator incl heater / Engine oil	14 ltr / 8.5 ltr	14 ltr / 8.5 ltr
Transmission fluid / Final-drive fluid	Lifetime filling	Lifetime filling
<b>Electric system</b>		
Battery capacity / installed position	90+70 Ah / boot	90+70 Ah / boot
Alternator output rating	2 x 180 A / 2520 W	2 x 180 A / 2520 W
<div><div></div><div>1. The engine is designed for octane grade 98 fuel; however, it may be run on fuel with a minimum octane grade of 91.</div></div>		

	Phantom	EWB
<b>Dimensions</b>		
No of doors / seats	4 / 5	4 / 5
Vehicle length	5834 mm / 229.7 in	6084 mm / 239.5 in
Vehicle width	1990 mm / 78.3 in	1990 mm / 78.3 in
Vehicle height (unladen)	1632 mm / 64.3 in	1634 mm / 64.3 in
Wheelbase	3570 mm / 140.6 in	3820 mm / 150.4 in
Turning circle	13.8 m / 45.3 ft	14.6 m / 47.9 ft
Track, front	1685 mm / 66.3 in	1685 mm / 66.3 in
Track, rear	1670 mm / 65.7 in	1670 mm / 65.7 in
Width at shoulder height, front	1509 mm / 59.4 in	1509 mm / 59.4 in
Width at shoulder height, rear	1431 mm / 56.3 in	1431 mm / 56.3 in
Leg room, front	1028 mm / 40.5 in	1028 mm / 40.5 in
Leg room, rear	947 mm / 37.3 in	1197 mm / 47.1 in
Head room, front	1020 mm / 40.2 in	1020 mm / 40.2 in
Head room, rear	979 mm / 38.5 in	979 mm / 38.5 in
Trunk volume (SAE)	400 ltr / 14.1 cu ft	400 ltr / 14.1 cu ft
Fuel tank capacity	100 ltr / 26.4 US gal	100 ltr / 26.4 US gal
<b>Weight</b>		
Curb weight	2630 kg / 5798 lb	2688 kg / 5926 lb
Axle load ratio, rear (unladen)	50.1 <span> </span> %	49.3%
Gross vehicle weight	3050 kg / 6724 lb	3170 kg / 6989 lb
Payload	420 kg / 924 lb	482 kg / 1063 lb
Axle load limit, front	1425 kg / 3141 lb	1475 kg / 3245 lb
Axle load limit, rear	1800 kg / 3968 lb	1800 kg / 3968 lb
<b>Engine</b>		
Engine / cylinders / valves	V / 12 / 48	V / 12 / 48
Fuel management	Direct injection	Direct injection
Displacement	6749 cu cm / 411.8 cu in	6749 cu cm / 411.8 cu in
Stroke	84.6 mm / 3.33 in	84.6 mm / 3.33 in
Bore	92.0 mm / 3.62 in	92.0 mm / 3.62 in
Power output @ engine speed	453 hp (SAE) @ 5350 rpm	453 hp (SAE) @ 5350 rpm
Max torque @ engine speed	720 Nm / 531 lb ft @ 3500 rpm	720 Nm / 531 lb ft @ 3500 rpm
Compression ratio / Fuel type	11:1 / premium unleaded¹	11:1 / premium unleaded¹
<b>Transmission</b>		
Transmission type	ZF 6HP32	ZF 6HP32
<b>Gear ratios</b>		
1st / 2nd / 3rd /	4.171 / 2.340 / 1.521 /	4.171 / 2.340 / 1.521 /
4th / 5th / 6th	1.143 / 0.867 / 0.691	1.143 / 0.867 / 0.691
Reverse	3.403	3.403
Final-drive ratio	3.460	3.460

Rolls-Royce Phantom

USA version

	Phantom	EWB
<b>Aerodynamics</b>		
Drag Cd	0.38	0.38
Drag Cd x A	1.071 sq m / 11.5 sq ft	1.071 sq m / 11.5 sq ft
<b>Steering &amp; brakes</b>		
Steering type	Rack and pinion, speed-sensitive variable-rate power assistance	Rack and pinion, speed-sensitive variable-rate power assistance
Brakes, front / diameter	Ventilated discs 374 mm / 14.7 in	Ventilated discs 374 mm / 14.7 in
Brakes, rear / diameter	Ventilated discs 370 mm / 14.6 in	Ventilated discs 370 mm / 14.6 in
<b>Performance²</b>		
Top speed	149 mph / 240 km/h (governed)	149 mph / 240 km/h (governed)
Acceleration 0-60 mph	5.7 sec	5.9 sec
Acceleration 0-100 km/h (Canada)	5.9 sec	6.1 sec
Acceleration 0-1/4 mile	14.3 sec	
<b>Fuel consumption³</b>		
City	13 mpg / 18.1 ltr/100 km	13 mpg / 18.1 ltr/100 km
Highway	19 mpg / 12.5 ltr/100 km	19 mpg / 12.5 ltr/100 km
<b>Wheels (standard PAX alloy)⁴/⁵</b>		
Tyre	Michelin PAX 265/790 R540 A 111W	Michelin PAX 265/790 R540 A 111W
Wheel size	265 x 540 A	265 x 540 A
<b>Wheels (21” alloy)⁵/⁶</b>		
Tyre, front	Goodyear EMT 255/50 R21 106W	Goodyear EMT 255/50 R21 106W
Wheel size, front	8” x 21”	8” x 21”
Tyre, rear	Goodyear EMT 285/45 R21 109W	Goodyear EMT 285/45 R21 109W
Wheel size, rear	9.5” x 21”	9.5” x 21”
<b>Filling capacities</b>		
Radiator incl heater	14 ltr / 14.8 quarts	14 ltr / 14.8 quarts
Engine oil	8.5 ltr / 9.0 quarts	8.5 ltr / 9.0 quarts
Transmission fluid / Final-drive fluid	Lifetime filling	Lifetime filling
<b>Electric system</b>		
Battery capacity / installed position	90+70 Ah / trunk	90+70 Ah / trunk
Alternator output rating	2 x 180 A / 2520 W	2 x 180 A / 2520 W
<div><div></div><div>1. The engine is designed for octane grade 98 fuel; however, it may be run on fuel with a minimum octane grade of 91.</div></div>		
<div><div></div><div>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.</div></div>		
<div><div></div><div>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.</div></div>		
<div><div></div><div>4. The Michelin PAX tyre system has run-flat capabilities. Michelin PAX is a registered trademark of Michelin.</div></div>		
<div><div></div><div>5. With run-flat tyres, you can continue for a distance of at least 100 miles at speeds up to 50 mph, however when notified you should check your tyre condition at the next available opportunity.</div></div>		
<div><div></div><div>6. The Goodyear Extended Mobility Tyre system (EMT) has run-flat capabilities.</div></div>		



**World version**

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**USA version**

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