

# The BMW 7 Series 730d Saloon

BMW GB



The Ultimate  
Driving Machine

## Introduction

### BMW 7 Series Saloon

The 7 Series is an absolutely unique and wholly innovative car from the ground up. It is based neither on its predecessors nor on the competition. The 7 Series sets new standards, new dimensions, and rewards the driver with an unparalleled driving experience.



## Product Info - Design



### Introduction

The 7 Series is more than an evolution in design - it is a quantum leap, a revolution in appearance, comfort and dynamics. 'Sporting performance', 'dynamic styling', 'luxurious motoring' and 'a strong presence' were the guidelines for creating the new car's exterior and the result is unquestionable. At the same time, the pioneering concept of the iDrive control philosophy allowed the development of an all-new, clear and modern interior architecture, raising control and comfort to an unprecedented level.

### Seating

Seating options for the 7 Series include the Standard Seats (with electrical adjustment and memory for driver) and the multi-adjustable Comfort Seats, including back-rest width adjustment and comfort headrests, which adjust to 'cup' a resting passenger's head. Optional Comfort Seating at the rear is provided by two individual seats, rather than a traditional 'bench' configuration for front and rear passengers. To enhance seating comfort further still, options such as Lumbar Support, Active Seats, Seat Heating and Active Seat Ventilation are also available.

### iDrive

A new approach to cabin ergonomics can be found in the 7 Series which separates functions into two distinct areas; the 'driving area' and the 'comfort area'.

### The driving area

Two instantly noticeable features of the new 7 Series is the absence of a central gearlever and traditional ignition key. Instead, all primary controls are located in and around the steering wheel - the centre of the 'driving area'.

### The comfort area

The majority of secondary functions are now operated by a single central 'Controller'. The result is a dramatic reduction in the number of buttons and switches, creating an extremely clean and modern interior look and feel.

### Long wheelbase models

The 7 Series long wheelbase models are 140 mm longer than the standard wheelbase models, giving the rear passengers an extra 89 mm of legroom. The long wheelbase models still achieve the same impressive acceleration figures as their shorter companions and the list of standard specifications is as comprehensive as you would expect from a 7 Series.

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## Product Info - Safety



### Introduction

Fortunately, only a very few drivers will really have to experience the passive safety of their 7 Series in practice. Should the worst come to the worst however, these drivers and their passengers will have a level of protection that no other model can match. With an extremely stiff passenger cell made of 82% high-strength steel and bonded body seams for 15% higher energy uptake, as well as a number of new safety systems, the driver of the 7 Series should never feel vulnerable.

### Intelligent Safety and Integration System

The 7 Series uses state-of-the-art technology to optimise the numerous integral safety systems to make the consequences of collisions less severe. The new car employs 14 sensors to deploy up to 10 airbag systems. The Intelligent Safety and Integration System (ISIS) calculates which airbag is needed in the event of an accident and deploys it within 5/100ths of a second. Any airbag that is not required in the event of a collision remains inactive.

### Active Head Restraints

The Active Head Restraints on the 7 Series automatically pivot forward in the event of a rear-end collision to minimize the distance between the occupant's head and the restraint itself therefore reducing the likelihood of a severe neck-injury.

### Comfort Exit Stepless Door Brake (Optional)

The doors on the 7 series are easy to open and the new door brakes no longer have specific, predetermined stopping points but remain open at any angle - a big advantage particularly when parking. When a door is opened, it will remain firmly in position without swinging out or swinging back again. This helps to avoid the risk of injury to the occupant or damage to the vehicle.

### Advanced ITS

In a side-on collision, not only do the side airbags in the doors protect the passengers, but two head airbags integrated into the roof frame also react if needed. This new Inflatable Tubular Structure (ITS) concept combines two benefits in one:

- First, the head airbags take up and cushion impacts with maximum efficiency
- Second, a so-called "sail" or "curtain" serves to take up and absorb forces over a larger area. At the same time, this surface provides effective protection against parts penetrating the car, such as glass and other debris

The airbags remain active for seven seconds after inflation in case the car rolls over or if further collision is delayed.

## Product Info - Technology



### Introduction

The new era in motoring technology starts as soon as you step into the 7 Series:

- Exterior and door handle illumination now provide you with a safe passage even when you leave the car in poor light
- Inside the car, 'Shift-by-wire' technology now allows the driver to change gear and control functions directly from the steering wheel instantaneously through buttons in the steering wheel rim
- It is not just the technology that you can see that is new either. Dynamic Drive and optional EDC-K are just two of the groundbreaking advances that add to the technological advancement made in this 7 Series

### Dynamic Drive

Dynamic Drive is one of the key innovations of the 7 Series. Sensors are used to activate hydraulically enhanced anti-roll bars at the front and rear. When body roll is imminent, the roll-bars will stabilise the car to provide a flatter cornering profile. The use of this system means that the ride is not compromised at any point, giving the driver and passengers an unrivalled experience.

### EDC-K

EDC-K is a development of the previous 7 Series' Electronic Damper Control. Unlike the original system where a choice of three damper control curves were available, optional EDC-K features an infinite number of curves provided by a continuously adjustable valve in each damper.

### Six-speed Automatic Transmission

The 7 Series features the world's first six-speed automatic transmission with integrated shift-by-wire technology. Operated by a selector lever alongside the steering wheel and Steptronic buttons on the steering wheel rim, this innovative transmission also helps to deliver impressive performance figures.

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## Product Info - Engines



### Introduction

The discreet but muscular sound the driver will hear comes from the most advanced and sophisticated engine in modern top-of-the-range motoring. Combining the new power units with the world's first six-speed automatic transmission, the drive train in the 7 Series offers a standard of technology far superior to anything seen before. There is now a wide range of engines to choose from including:

- Six-cylinder petrol
- Six-cylinder diesel
- 8-cylinder petrol
- Range topping 12-cylinder

### V8 engines

The 7 Series features an entirely new generation of V8 engines. Both the 3.6 litre and 4.4 litre units employ a number of new technologies (including Double-VANOS and Valvetronic) to boost performance and improve fuel efficiency by up to 14% over the previous engines:

- The 735i is powered by the 272bhp, 3.6 litre engine with 360 Nm (266lb ft) of torque
- The 745i utilizes the 333bhp, 4.4 litre engine with 450 Nm (332lb ft) of torque

### Double-VANOS

Double-VANOS ensures optimum torque development over the entire rev range, providing more torque at low speeds and superior performance at high speeds. It also minimises exhaust emissions through improved engine efficiency.

### VALVETRONIC

The most powerful diesel in its class. Featuring common rail technology, the new diesel engine combines supreme torque with flexibility, creating an engine which will thrill you through its quiet, silken-smooth refinement.

### Fully variable intake manifold (DIVA)

The eight and twelve-cylinder 7 Series engines have the first fully variable intake manifold in the world. The length of the intake pipe can be adapted continuously to the engine speed via an adjusting mechanism. Long intake pipes are needed to obtain high torque at low engine speeds and as the engine speed rises, this length must be reduced. This means that pulling-power is always maximised.

## Ownership benefits

### Introduction

BMW Ownership benefits provide a range of vehicle services that allow easy management of your BMW in all circumstances. From Service While You Wait and Accident management to Emergency Service and BMW Four Plus - the car care programme for BMWs over four years old - each service brings with it complete piece of mind and the knowledge that you and your car will be looked after by real experts.

Find out how BMW Driver services can take the stress out of car ownership and what we can do to make your life that little bit simpler.



# The BMW 7 Series 730d Saloon

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## Technical Specification 730d Saloon

**Note** - Figures in brackets represent Automatic transmission

### Engine

Cylinders/valves 6/4  
Capacity cml 2,993  
Stroke/Bore (mm) 90.0/84.0  
Max output (kW/bph/rpm)  
Max torque (Nm/rpm) 500/2,000-2,750

### Wheels

Tyre size front 245/50 R18  
Tyre size rear 245/50 R18  
Wheel size front 8J x 18  
Wheel size rear 8J x 18

### Fuel consumption

Urban (mpg) 23.3  
Extra-urban (mpg) 43.5  
Combined (mpg) 33.2  
Urban (ltr/100km) 12.1  
Extra-urban (ltr/100km) 6.5  
Combined (ltr/100km) 8.5  
CO2 emissions (g/km) 227  
Tank capacity (ltr) 88

### Dimensions

Wheelbase 2,990  
Vehicle length 5,029  
Vehicle width 1,902  
Vehicle height 1,492  
Track, front 1,578  
Track, rear 1,582

### Performance

Drag (cw) 0.28  
Top speed (mph) 146  
Acceleration 0-62 mph (sec) 8.0  
Acceleration 50-75 mph in 4th (sec) -

### Weight

Unladen (EU) 1,975  
Max permissible 2,480  
Permitted load 580  
Permitted axle load, front/rear 1,190/1,350

## Equipment 730d and 730d SE and 730d Sport



Engine	730d	730d SE	730d Sport
12-cylinder V engine with direct injection technology	NA	NA	NA
6-cylinder in-line diesel engine with turbocharger	■	■	■
6-cylinder in-line engine with 4 valve technology	NA	NA	NA
8-cylinder V light-alloy engine with 4 valve technology	NA	NA	NA
Cylinder-specific anti-knock control	NA	NA	NA
Digital Motor Electronics (DME)	NA	NA	NA
Direct fuel injection	NA	NA	NA
Distributor system, solid-state	NA	NA	NA
Double - VANOS	NA	NA	NA
Fully variable intake system (DIVA)	NA	NA	NA
Light-alloy cylinder head	■	■	■
On-board diagnosis	■	■	■
Three-way catalytic converter, heated oxygen sensor, activated carbon filter, controlled tank purge	NA	NA	NA
VALVETRONIC	NA	NA	NA
<b>Exterior</b>			
All-round anti-corrosion system with partial hot galvanising, phosphate treatment and cathodic dip paintwork, preservation of hollow cavities, underfloor protection	■	■	■
Door handles in body colour with illumination of outside area	■	■	■
Metallic paintwork	■	■	■

**Key:** ■ - Standard NA - Not Available

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## Equipment 730d and 730d SE and 730d Sport

Exterior	730d	730d SE	730d Sport
Rear-view mirror base and B-pillar finished in black, high gloss	NA	NA	NA
Rear-view mirror, interior with automatic anti-dazzle function	■	■	■
Rear-view mirrors, aspheric, blue-tinted, electrically adjustable, heated	■	■	■
Screenwasher nozzles, heated	■	■	■
Sun-protection glass	£330	£330	£330
Wheels - 17-inch Forged alloy wheel with wheel covers style 90	■	NA	NA
Wheels - 18-inch Double-spoke Alloy wheel style 93	£810	£810	NA
Wheels - 18-inch Multi-spoke alloy wheel style 94	£810	■	NA
Wheels - 18-inch Star-spoke alloy wheel style 91	NA	NA	NA
Wheels - 19-inch Star-spoke alloy wheel style 92	£2,090	£1,860	NA
Wheels - 19-inch Star-spoke alloy wheel style 95	£1,620	£1,430	NA
<b>Interior</b>			
Steering wheels - Leather sports steering wheel with airbag and multifunction buttons, three spokes, steering wheel bracket in interior trim colour, inc cruise control and remote control of radio and telephone (if fitted), shift lever knob or selector lever handle in leather	NA	NA	■
Automatic air conditioning (including automatic air recirculation)	■	■	■
BMW Hi-Fi loudspeaker system	£340	£340	£340
Car telephone, GSM fixed phone (single band)	£710	■	■
CD changer above the glove compartment for six CDs	£250	£250	£250
Climate comfort laminated glass all-round	£800	£800	£800
Climate comfort windscreen	£220	£220	£220
Contoller on tunnel console for operating secondary vehicle functions	■	■	■
Glass sliding/vent roof, electric	£830	£830	£830
Hi-Fi Professional LOGIC7 system	£840	£840	£840
Info display, analogue instruments combined with liquid crystal display	■	■	■
Interior and exterior mirrors with automatic anti-dazzle function and fold-in function of exterior mirrors (exterior mirrors aspheric)	£300	£300	£300
Interior lights front and rear with "soft" on/off function	■	■	■
Interior rear-view mirror with automatic anti-dazzle function	■	■	■
Loudspeaker system	■	■	■

Key: ■ - Standard NA - Not Available

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### Equipment 730d and 730d SE and 730d Sport

Interior	730d	730d SE	730d Sport
Multi-function controls a steering wheel (operation of radio and telephone)	■	■	■
Navigation system with 8.8-inch control display	£1,520	■	■
On-board computer including Check/Control in information display	■	■	■
Radios - BMW Single CD	■	■	■
Radios - MD player for BMW Business (instead of CD player)	£100	£100	£100
Remote control, universal, fully integrated	£160	£160	£160
Seats/seat comfort - Active seat for driver and front passenger, electrical	£660	£660	£660
Seats/seat comfort - Active seat ventilation at the rear	£430	£430	£430
Seats/seat comfort - Comfort seat for driver and front passenger, electrical, incl headrests with active function	£1,160	£1,160	£750
Seats/seat comfort - Comfort seats at the rear, electrical	£1,960	£1,960	£1,960
Seats/seat comfort - Lumbar support	£230	£230	£230
Seats/seat comfort - Seat adjustment for driver and front passenger, electrical, with memory function for driver's seat and rear-view mirrors	■	■	■
Seats/seat comfort - seat heating at the rear	£270	£270	£270
Seats/seat comfort - seat heating for driver's and front passenger's seats	£270	£270	£270
Seats/seat comfort- Active seat ventilation at the front	£800	£800	£800
Spare wheel in standard wheel size, housed in luggage compartment beneath the floor	■	■	■
Sports steering wheel	£130	£130	£130
Steering column adjustment, electric	■	■	■
Steering wheel heating	£100	£100	£100
Sunblinds for rear side windows	£630	£630	£630
TV function (only in conjunction with navigation system)	£1,010	£730	£730
Upholstery - Club leather	£2,860	£2,860	£2,860
Upholstery - Nasca leather	■	■	■
Vavona wood trim	NA	NA	■
Voice control system	£0	■	■
Window lifts front and rear, electrical, with open/close fingertip control, anti-trap facility and comfort closing function all round	■	■	■
Wood trim in ash grain, light/dark grain (only in combination with selected interiors)	£0	£0	NA
Wood trim in burr walnut, high-gloss, with inlays	NA	NA	NA
Wood trim in cherry finish, light/dark	■	■	NA

Key: ■ - Standard NA - Not Available

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## Equipment 730d and 730d SE and 730d Sport

Interior 730d 730d SE 730d Sport

### Safety

Active cruise control	£1,300	£1,300	£1,300
Airbags - Driver and front passenger ID airbags (impact-dependent airbag system), seat occupancy detector for front passenger airbag	■	■	■
Airbags - Head and side airbags front and rear	■	■	■
Alarm system with radio remote control	■	■	■
Anti-lock brake system (ABS)	■	■	■
Brakes - Disc brakes at the front with aluminium swing callipers, disc brakes at the rear with grey-cast iron swing callipers, inner vented	■	■	■
Central locking with electronic immobiliser, crash sensor, fuel tank filler flap integrated in central locking	■	■	■
Dynamic Stability Control (DSC), incl traction mode and DBC	■	■	■
Foglamps in ellipsoid free-form technology	■	■	■
Headlight wash system	£170	£170	£170
Park Distance Control (PDC), front and rear	■	■	■
Power steering with crash-optimised safety steering column	■	■	■
Protective glazing	£860	£860	£860
Safety battery terminal	■	■	■
Seat belts - Inertia-reel seat belts at the front with pyrotechnical belt tensioner, belt force limiter, and belt restraint	■	■	■
Seat belts - Manual seatbelt height adjustment on the B-pillar	■	■	■
Seat belts - Rear belt system with three-point inertia-reel seat belts	■	■	■
Servotronic	■	■	■
Side impact protection and roof crossbar	■	■	■
Tyre Pressure Control (TPC)	£370	£370	£370
Xenon headlights and Rain Sensor with Automatic Light Activation incl dynamic headlight range adjustment and headlight wash system	£640	£640	£640
Safety body - Deformation zones front and rear, door reinforcements and bumpers that regenerate to their original shape in impacts up to 2 mph	■	■	■

### Sport

High Gloss Shadow Line Exterior Trim	NA	NA	■
Sports Suspension	NA	NA	■

Key: ■ - Standard NA - Not Available

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## Equipment 730d and 730d SE and 730d Sport

Sport

730d

730d SE

730d Sport

### Transmission

6-speed automatic transmission with Steptronic (control buttons in the steering wheel)	■	■	■
Aluminium integral rear axle (patented multi-arm axle principle)	■	■	■
Anti-roll bars front and rear	■	■	■
Electronic Damper Control (EDC) with infinitely variable control action	£760	£760	£760
Lightweight double-joint spring strut front axle with aluminium track control arms	■	■	■
Parking brake with auto-hold function, electromechanical	■	■	■
Self-levelling pneumatic rear suspension	£510	£510	NA
Dynamic drive active anti-roll stabilisation	£1,685	£1,685	£1,685

Key: ■ - Standard NA - Not Available

## Pricing

Price shown as 'on the road'

730d **£44,560**

730d SE **£46,560**

730d Sport **£48,760**

## Company car tax

Car benefit charges for cars with an approved CO2 emissions figure

Model Description	CO2 Taxband	CO2 Emission
730d	(33%)	NA (227.0)
730d SE	(33%)	NA (227.0)
730d Sport	(33%)	NA (227.0)

Company car tax information for automatic cars is shown in brackets.