

BMW 2004
7 Series Sedan



The Ultimate
Driving Machine®

745i
745Li
760Li







7th Heaven.



Life can lead us in unexpected directions.
The trick is to enjoy the ride.

Could the 745i possibly go to greater lengths to please you?
Yes, with a long-wheelbase version of the 7 Series.





The 7 Series isn't the head of the class.
It's a whole class unto itself.



Equipment.



■ **Multi-function steering wheel** lets you keep both hands on the wheel while accessing Voice Activation; adjusting sound volume of audio, phone and navigation system; answering/ending calls; selecting a transmission mode; conducting an audio search; and choosing an individually programmable function.



■ **Six-speed automatic transmission** is selected through a steering-column-mounted **electronic gear selector**. The BMW 7 Series was the first production vehicle with a six-speed automatic transmission. This drive-by-wire system allows smooth, quick gear shifts.



■ **iDrive Control Display** works in conjunction with the iDrive Controller. The LCD monitor displays iDrive functions, such as route information, climate control preferences and audio settings, as well as other information from the on-board computer.



■ **Standard in-dash CD player** lets you change CDs at a moment's notice.



■ **Xenon low- and high-beam lights** illuminate the road ahead and to the side with brilliant clarity. These headlights also have an auto-leveling feature.



■ **Rain sensor** uses infrared light to measure the amount of rain. When the wipers are in the "intermittent" mode, the rain sensor automatically adjusts the windshield wiping interval as needed.



■ **Power glass moonroof** slides rearward or tilts up at a touch to let in as much fresh air and sky as you like, while a wind deflector helps keep the wind out. Includes a sliding interior sunshade and anti-trapping feature.



■/□ **Power sunshades** for the rear window and rear side windows provide optimum protection from sun glare and heat, while allowing extra privacy for rear-seat occupants. Each rear door has switches that control all the shades. A child safety switch disables operation. (std. in 760Li; opt. in 745i/745Li)



■ **19" Star Spoke (Styling 89) cast alloy wheels and performance tires.**¹ Front: 19 x 9.0 wheels, 245/45R-19 tires; rear: 19 x 10.0 wheels, 275/40R-19 tires. (std. on 760Li; not available on 745i/745Li)



□ **18 x 8.0 Exclusive Spoke (Styling 91) cast alloy wheels and 245/50R-18 all-season tires.** (no-cost opt. on 760Li; not available on 745i/745Li)



■ **18 x 8.0 Multi-Spoke (Styling 94) cast alloy wheels and 245/50R-18 all-season tires.** (std. on 745i/745Li; not available on 760Li)



□ **19" Star Spoke (Styling 95) cast alloy wheels and performance tires.**¹ Front: 19 x 9.0 wheels, 245/45R-19 tires. rear: 19 x 10.0 wheels, 275/40R-19 tires. (opt. on 745i/745Li; not available on 760Li)



□ **19" V-Spoke (Styling 126) cast alloy wheels and performance tires.**¹ Front: 19 x 9.0 wheels, 245/45R-19 tires; rear: 19 x 10.0 wheels, 275/40R-19 tires. (exclusive with 745i and 745Li Sport Packages; not available on 760Li)

¹Due to low-profile tires, please note: wheels, tires and suspension parts are more susceptible to road hazard and consequential damages.

Standard equipment | Optional equipment

Performance and efficiency	745i	745Li	760Li
6.0-liter DOHC (4-cam) 48-valve V-12 engine with direct fuel injection and Valvetronic			●
4.4-liter DOHC (4-cam) 32-valve V-8 engine with Valvetronic	●	●	
Steplessly variable intake manifold	●	●	
Double-VANOS steplessly variable valve timing	●	●	●
Aluminum block and cylinder heads	●	●	●
Electronically controlled engine cooling	●	●	●
Digital Motor Electronics engine-management system with adaptive knock control	●	●	●
6-speed STEPTRONIC automatic transmission with Adaptive Transmission Control (ATC)	●	●	●
Electronic gear selector	●	●	●
Liquid-cooled alternator	●	●	●

Handling, ride and braking

Aluminum double-pivot strut-type front suspension	●	●	●
Aluminum 4-link integral rear suspension	●	●	●
Aluminum front and rear subframes	●	●	●
Active Roll Stabilization (ARS)	●	●	●
Twin-tube gas-pressure shock absorbers	●	●	●
Self-leveling rear suspension with air springs	▲	▲	●
Sport suspension	□	□	
Electronic Damping Control, stepless	▲	▲	●
Vehicle-speed-sensitive variable-assist, variable-ratio rack-and-pinion powersteering	●	●	●
4-wheel ventilated disc brakes with electronic brake proportioning	●	●	●
Electromechanical parking brake	●	●	●
Automatic Parking Brake	●	●	●
Dynamic Stability Control (DSC)	●	●	●
Anti-lock Braking System (ABS)	●	●	●
Dynamic Traction Control	●	●	●
Dynamic Brake Control	●	●	●

Exterior and aerodynamics	745i	745Li	760Li
18 x 8.0 Multi-Spoke (Styling 94) alloy wheels with 245/50R-18 all-season tires	●	●	
19 x 9.0 front /19 x 10.0 rear Star Spoke (Styling 89) forged alloy wheels with 245/45R-19 front / 275/40R-19 rear performance tires ¹			●
18 x 8.0 Exclusive Spoke (Styling 91) alloy wheels with 245/50R-18 all-season tires			NC
19 x 9.0 front /19 x 10.0 rear Star Spoke (Styling 95) alloy wheels with 245/45R-19 front / 275/40R-19 rear performance tires ¹	○	○	
19 x 9.0 front /19 x 10.0 rear V-Spoke (Styling 126) alloy wheels with 245/45R-19 front / 275/40R-19 rear performance tires ¹	□	□	
Body-color bumpers with hydraulic energy absorbers and (front only) compressible elements	●	●	●
High-Gloss black shadowline exterior trim	□	□	
Aluminum hood and front fenders	●	●	●
Xenon low- and high-beam headlights in outer headlights and dynamic auto-leveling	●	●	●
Adaptive Headlights	○	○	○
Halogen ellipsoid front foglights	●	●	●
Windshield wiper sweep regulated for optimum coverage ²	●	●	●
Variable parking position to reduce wiper blade wear	●	●	●
Articulated passenger-side wiper arm	●	●	●
Single-wipe control	●	●	●
Washer jets in wiper arms, heated fluid supply	●	●	●
Heated wiper parking area	●	●	●
High-pressure headlight cleaning system	●	●	●
Choice of standard or metallic paints	●	●	●
Smooth underbody	●	●	●

¹ Due to low-profile tires, please note: wheels, tires and suspension parts are more susceptible to road hazard and consequential damages.

² Driver's side only.

- Standard
- Optional
- NC – Optional; no extra cost
- ▲ Adaptive Ride Package
- Sport Package
- ◆ Luxury Seating Package
- △ Convenience Package
- Cold Weather Package
- ◆ Premium Sound Package

Audio	745i	745Li	760Li
AM/FM stereo radio/CD audio system with 10 speakers, Radio Data System (RDS), in-dash single-disc CD player and FM diversity antenna system; includes 2 subwoofers	●	●	
Logic7 audio system with 13 speakers, Digital Sound Processing and 6-disc in-dash CD changer; includes 2 subwoofers and all features of standard audio system	◆	◆	●
Instrumentation and controls			
Electronic analog speedometer and tachometer	●	●	●
LCD main and trip odometers	●	●	●
Condition-based Service display ³	●	●	●
Expanded Check Control vehicle monitor system	●	●	●
iDrive concept	●	●	●
Start/stop button	●	●	●
Electronic control stalks	●	●	●
LCD displays and warning indicators in dial faces	●	●	●
Leather power tilt/telescopic multi-function steering wheel with audio and phone controls, one programmable control; auto tilt-away for entry and exit	●	●	●
3-spoke sport steering wheel with multi-function controls	□	□	
Programmable cruise control	●	●	●
Active cruise control	○	○	○
On-board computer	●	●	●
Navigation system	●	●	●
BMW Cellular Phone System, portable with digital-analog operation, Telecommander keypad, Voice Activation system, BMW Assist, and "Mayday" feature	●	●	●
Brake Wear Display	●	●	●

³ Additional functions for this system accessible through iDrive system.

⁴ Light color wood is available with Beige, Flannel Gray, Natural Brown and Stone Green interiors; Dark color wood is available with Black interior.

⁵ Light color wood is available with Beige interior; Dark color wood is available with Black, Flannel Gray, Natural Brown and Stone Green interiors.

Interior seating and trim	745i	745Li	760Li
Nasca leather upholstery	●	●	●
Pearl leather upholstery with matte-finish Vavona genuine wood trim	□	□	
Extended leather trim on instrument panel and rear sides of front-seat backrests			●
Matte-Finish Black Cherry genuine wood trim ⁴	●	●	
High-Gloss Ash genuine wood trim, light or dark ⁵	NC	NC	
High-Gloss dual-tone Ash genuine wood trim with inlays, extended to retractable roof-grab handles and storage compartments on front-seat backrests			●
Power 10-way driver's/8-way front passenger's seats with 4-way lumbar support; includes automatic head-restraint height adjustment	●		
Power front sport seats (12-way driver's, 10-way passenger's) with adjustable thigh support	□	□	
Memory system for driver's seat, steering wheel, and outside mirrors (2 positions)	●	●	●
16-way power front Comfort seats with 4-way lumbar support; includes articulated upper backrest, adjustable backrest width, adjustable thigh support, passenger's-seat memory, active head restraints with adjustable side support	○/◆	●	●
10-way power rear Comfort seats with 4-way lumbar support; includes articulated upper backrest, automatic head-restraint height adjustment, automatic pretensioners and rear seat ventilation		○	●
Active front seats with gentle massage action	◆	◆	●
Ventilated front and rear seats	◆	◆	●
Heated front seats with fast heating and balance control	○/■/◆	○/■/◆	●
Heated rear seats	■/◆	■/◆	●
Climate-controlled front console compartment with coinholder, trunk-release lockout, illumination and phone handset	●	●	●
Alcantara headliner and sun visors			●

All vehicle specifications contained in this document are based on the latest product information available at the time of printing. BMW reserves the right to make changes, without notice, in colors, materials, equipment, specifications and models. Further information can be obtained from your authorized BMW center or bmwusa.com.

Standard equipment | Optional equipment

Safety and security	745i	745Li	760Li
Intelligent Safety and Information System (ISIS) for deployment of safety systems	●	●	●
Dual front-impact airbag Supplementary Restraint System (SRS) with dual-threshold deployment, 2-stage Smart Airbags	●	●	●
Front safety belts with automatic pretensioners and force limiters	●	●	●
Automatic pretensioners in safety belts at rear outboard seating positions		○ ⁶	●
Automatic-locking retractors (ALR) on all passenger safety belts (for installation of child restraint seats)	●	●	●
Front-seat Head Protection System (HPS)	●	●	●
Front-seat side-impact airbags	●	●	●
Active Knee Protection	●	●	●
Rear-seat Head Protection System	●	●	●
Rear-seat side-impact airbags	○	○	○
Active front head restraints	○/◇	●	●
Adaptive Brake Lights	●	●	●
Battery Safety Terminal	●	●	●
Automatic fuel-pump shutoff upon severe accident impact	●	●	●
Central locking system with double-lock anti-theft feature, selective unlocking ⁷	●	●	●
Coded Driveaway Protection	●	●	●
Pathway Lighting feature ⁷	●	●	●
Alarm system with operation from remote, interior motion detector	●	●	●
Comfort and convenience			
Vehicle & Key Memory	●	●	●
Keyless entry with multi-function remote control	●	●	●
Selective unlocking ⁷	●	●	●
Remote trunk release	●	●	●
Power soft-close automatic doors and trunklid	△	△	●

Comfort and convenience (cont.)	745i	745Li	760Li
Continuously variable stepless door brakes	●	●	●
Power windows with key-off operation, "one-touch" open/close and anti-trapping feature	●	●	●
Automatic front climate control with full separate left/right controls, solar sensor, automatic recirculation, heat-at-rest feature, left/right temperature-controlled rear outlets, auto ventilation	●	●	●
Rear left/right climate control and coolbox in center armrest			○
Activated-charcoal micro-filter ventilation	●	●	●
Power 2-way moonroof with key-off and "one-touch" operation, conceal panel and wind deflector	●	●	●
Window and moonroof opening possible from remote control	●	●	●
Dual power/heated automatic-dimming outside mirrors	●	●	●
Automatic tilt-down of right outside mirror for visibility of curb when backing up	●	●	●
BMW Universal Transceiver (garage-door opener) integrated into rear-view mirror housing	●	●	●
Enhanced interior lighting system including front and rear left/right reading lights	●	●	●
Footwell lighting front and rear	●	●	●
Exit/entry lighting on interior door panels	●	●	●
BMW Ambiance Lighting front, rear and door panels	●	●	●
Illuminated visor vanity mirrors front and rear	●	●	●
LED "atmosphere" lights in C-pillars	●	●	●
Illuminated front console compartment	●	●	●
Locking glove compartment with rechargeable take-out flashlight	●	●	●
Illuminated exterior door handles and ground illumination	●	●	●
Rain-sensing windshield wipers with electronically controlled, reversible wiper motor	●	●	●
Park Distance Control with graphic display	○	○	●
Heated steering wheel	○/■	○/■	●
Power outlet in passenger's-side footwell area	●	●	●

⁶ Included in optional rear Comfort Seats.
⁷ Programmable via Vehicle & Key Memory.

● Standard
 ○ Optional

▲ Adaptive Ride Package
 □ Sport Package
 ◇ Luxury Seating Package
 △ Convenience Package
 ■ Cold Weather Package
 ◆ Premium Sound Package
 ★ Rear Seat Entertainment Package

Comfort and convenience (cont.)	745i	745Li	760Li
Dual cupholders front and rear (total of 4-cup capacity)	●	●	●
Rear center armrest with storage compartment	●	●	●
Power rear-window and rear-side-window sunshades with driver and rear-passenger controls	○	○	●
Ski bag	■	■	●
Fully finished trunk with inside trunk release	●	●	●
Automatic trunk opening and closing	△	△	●
BMW Maintenance Program			
BMW Full Maintenance ⁸	●	●	●
Adaptive Ride Package			
Self-leveling rear suspension with air springs	▲	▲	●
Electronic Damping Control, stepless	▲	▲	●
Sport Package			
19 x 9.0 front / 19 x 10.0 rear V-Spoke (Styling 126) cast alloy wheels with 245/45R-19 front / 275/40R-19 rear performance tires	□	□	
High-Gloss black shadowline exterior trim	□	□	
3-spoke sport steering wheel with multi-function controls	□	□	
Power front sport seats (12-way driver's, 10-way passenger's) with adjustable thigh support	□	□	
Sport suspension	□	□	

⁸ Full Maintenance Program covers all factory-recommended maintenance, as determined by the Service Interval Indicator for 4 years or 50,000 miles, whichever comes first. Full Maintenance Program includes items that need replacement due to normal wear and tear, provided wear and tear exceeds BMW specifications. This includes items such as brake pads, brake rotors and wiper blades that are not covered by the original New Vehicle Limited Warranty. Any adjustments required due to normal operating conditions are also included. For exclusions and limitations, refer to the Service and Warranty Information booklet that came with your new BMW, or see your authorized BMW center for details.
⁹ Luxury Seating Package and Cold Weather Package cannot be combined.

Luxury Seating Package ⁹	745i	745Li	760Li
16-way power front Comfort seats with articulated upper backrest	◇	●	●
Active front seats with gentle massage action	◇	◇	●
Ventilated front and rear seats	◇	◇	●
Heated front seats with fast heating and balance control	◇	◇	●
Heated rear seats	◇	◇	●
Active front head restraints	◇	●	●
Convenience Package			
Power soft-close automatic doors and trunklid	△	△	●
Automatic trunk opening and closing	△	△	●
Cold Weather Package⁹			
Heated front seats with fast heating and balance control	■	■	●
Heated rear seats	■	■	●
Heated steering wheel	■	■	●
Ski bag	■	■	●
Premium Sound Package			
Logic7 audio system with 13 speakers, Digital Sound Processing and 6-disc in-dash CD changer; includes 2 subwoofers and all features of standard audio system	◆	◆	●

Specifications | Technical features

Weight		745i	745Li	760Li
Unladen	lbs	4376	4464	4872
Weight distribution, front/rear	%	50.4/49.6	50.6/49.4	51.6/48.4

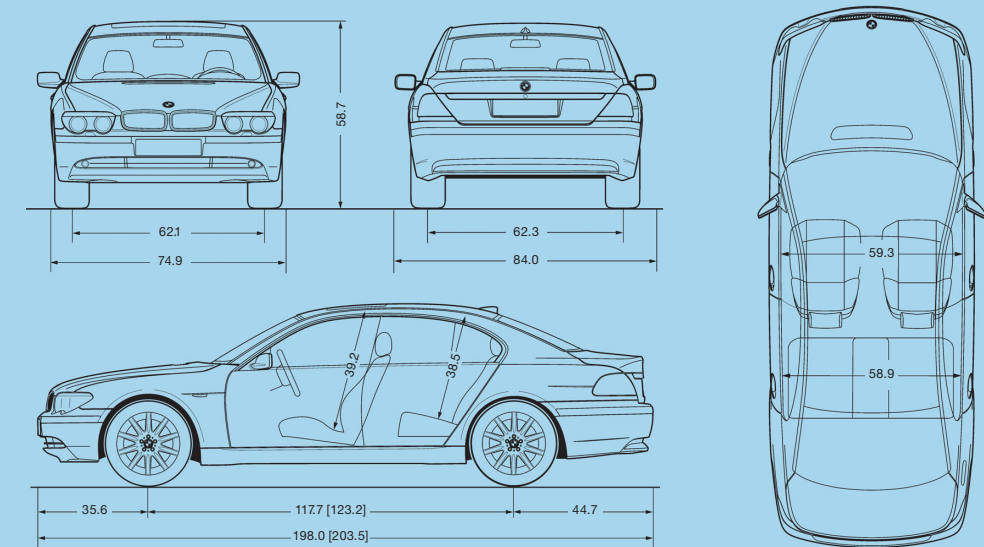
Engine				
Liter/type		4.4/V-8	4.4/V-8	6.0/V-12
Bore/stroke	inch	3.62/3.26	3.62/3.26	3.50/3.15
Nominal output/rpm	hp	325 @ 6100	325 @ 6100	438 @ 6000
Max torque/rpm	lb-ft	330 @ 3600	330 @ 3600	444 @ 3950
Compression ratio	:1	10.5	10.5	11.3:1
Fuel grade		Unleaded premium	Unleaded premium	Unleaded premium

Transmission					
Automatic ratios	I/II/III	:1	4.17/2.34/1.52	4.17/2.34/1.52	4.17/2.34/1.52
	IV/V/VI	:1	1.14/0.87/0.69	1.14/0.87/0.69	1.14/0.87/0.69
	R	:1	3.40	3.40	3.40
Final drive ratio		:1	3.38	3.38	3.15

Performance				
Acceleration 0-60 mph ¹	sec	5.9	5.9	5.4
Top speed ²	mph	149	149	149
Aerodynamic drag coefficient	C _d	0.29	0.29	0.29
Turning circle	ft	39.8	41.3	41.3

Fuel consumption ³				
City/highway	mpg	18/26	18/26	15/23

Tires, wheels and brakes		745i	745Li	760Li	
Tire dimensions	Standard	front rear	245/50R-18 ⁴ 245/50R-18 ⁴	245/50R-18 ⁴ 245/50R-18 ⁴	245/45R-19 ⁵ 275/40R-19 ⁵
	Optional	front rear	245/45R-19 ⁵ 275/40R-19 ⁵	245/45R-19 ⁵ 275/40R-19 ⁵	
Sport Package	front rear		245/45R-19 ⁵ 275/40R-19 ⁵	245/45R-19 ⁵ 275/40R-19 ⁵	
	NC Optional	front rear	245/50R-18 ⁶ 245/50R-18 ⁶	245/50R-18 ⁶ 245/50R-18 ⁶	
Wheel dimensions	Standard	front rear	18 x 8.0 18 x 8.0	18 x 8.0 18 x 8.0	19 x 9.0 19 x 10.0
	Optional	front rear	19 x 9.0 19 x 10.0	19 x 9.0 19 x 10.0	
Sport Package	front rear		19 x 9.0 19 x 10.0	19 x 9.0 19 x 10.0	
	NC Optional	front rear	18 x 8.0 18 x 8.0	18 x 8.0 18 x 8.0	18 x 8.0 18 x 8.0
Material			alloy	alloy	alloy
Brake dimensions (diameter x thickness)	front		13.7 x 1.18	13.7 x 1.18	13.7 x 1.18
	rear		13.6 x 0.94	13.6 x 0.94	13.6 x 0.94



All dimensions shown in inches. Figures in [] apply to the 745Li/760Li.

¹ BMW AG test results. Actual acceleration results may vary, depending on specification of vehicle; road and environmental conditions; testing procedures and driving style. These results should be used for comparison only and verification should not be attempted on public roads. **BMW urges you to obey all posted speed laws and always wear safety belts.**

² Top speed limited electronically.

³ EPA-estimated figures are for comparison purposes only. Your actual mileage will vary, depending upon speed, driving habits, trip length and driving conditions; actual mileage will most likely be lower.

⁴ All-season tires.

⁵ Performance tires. Due to low-profile tires, please note: wheels, tires and suspension parts are more susceptible to road hazard and consequential damages.

⁶ All-season run-flat V-rated.

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