

The 2007  
BMW 6 Series

650i Coupe  
650i Convertible



The Ultimate  
Driving Machine®







**Go ahead. You deserve this.**



**Air to the throne.**





**The 6 Series Convertible has only one equal: the 6 Series Coupe.**







**The return of the king.**



**Visceral power. Surgical precision.  
It's less a car than a driving instrument.**















# inspired

**The 650i's mighty V-8 engine is the result of generations of inspired engineers.**

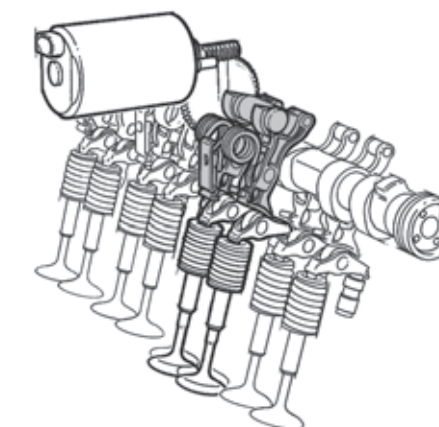
For over nine decades, BMWs have been developed by generations of engineers who are passionate about driving. The advanced technology in today's BMWs is a product of that passion. And, as the name "Bavarian Motor Works" implies, in a BMW, the engine takes center stage.

In striving to make automobiles that are ever more satisfying to drive, BMW has endowed the 650i with one of the most powerful engines in its current lineup. Nearly a half-liter larger than its award-winning<sup>1</sup> predecessor, this 4.8-liter V-8 commands 360 horsepower at 6300 rpm, and 360 lb-ft of torque at 3400 rpm. Thanks to unique BMW technology, it delivers ultra-refined power and unmatched performance without sacrificing efficiency.

One of these remarkable technologies is Valvetronic. Rather than regulating engine performance by using throttle butterflies, which reduce fuel efficiency, this innovative system allows the engine to "breathe" more easily via continuously variable valve lift control. This increases overall fuel efficiency, especially at "low-load" operation (driving conservatively and idling). Another inspired technology incorporated into every BMW engine is Double-VANOS, an engine management system that allows the engine to "steplessly" choose the valve timings for both intake and exhaust camshafts. Double-VANOS controls the four camshafts in this V-8 to deliver more low- to medium-speed torque for strong acceleration, added flexibility for better highway performance, and a quieter, smoother engine at idle. Another power-increasing feature found in the 650i is a two-stage intake manifold, providing two different intake lengths: one for low to medium speeds, and the other for high engine speeds (rpm).

The full power of this exceptional V-8 is harnessed through a choice of three 6-speed transmissions: a finely tuned manual, standard; an optional STEPTRONIC automatic; and the optional, Formula 1-derived Sequential Manual Gearbox (SMG), which is available only with the Sport Package.

<sup>1</sup> BMW's 4.4-liter V-8 named "International Engine of the Year 2002" by a panel of 40 -automotive experts. International Engine of the Year Awards.



Valvetronic fully variable valve lift control enhances the engine's "breathing" by eliminating the throttle valve, thereby increasing efficiency.



## Equipment



■ **Xenon Adaptive Headlights:** The **Adaptive Headlights** function provides optimum road illumination around corners, thanks to an electromechanical control system that directs the headlights into and through the bend as soon as the vehicle begins cornering. **Xenon Headlights** provide brilliant clarity of the road ahead and to the side, both at night and in conditions with poor visibility. The dynamic auto-leveling -feature adjusts for varying passenger and cargo loads, helping to keep headlight glare out of the eyes of oncoming drivers.



■ **Halogen free-form foglights,** built into the front air dam, enhance your margin of safety in bad visibility. Ellipsoid free-form technology provides for even light distribution on the road.



■ **High-pressure headlight cleaning system** helps keep headlights clear of ice, mud, road salt and other coatings, for maximum road -illumination and enhanced driving safety.



■ **Side indicator lights** add to the 6 Series' distinctive individuality.



■ **Door handles** in body color combine sleek design and comfortable use.

■ Standard equipment



## Equipment



■ **18 x 8.0 Double Star Spoke (Style 120) cast alloy wheels and 245/45R-18 -run-flat all-season tires.**



□ **19 x 8.5 front, 19 x 9.0 rear Ellipsoid Spoke (Style 121) cast alloy wheels and 245/40R-19 front, 275/35R-19 rear run-flat per-formance tires.<sup>1</sup>**

<sup>1</sup> Due to low-profile tires, please note: wheels, tires and suspension parts are more susceptible to road hazard and consequential damages. Performance tires are not recommended for driving in snow and icy road conditions.



■ **Tilting glass panel roof** gives the interior an even brighter, more spacious feel. For greater ventilation, it tilts up; an electric sliding interior roof liner keeps the hot sun out. (650i Coupe only)



■ **Triple-lined Convertible softtop** is fully automatic. Simply press a button at the front of the center console to raise or lower. The top automatically unlatches from the header and folds down neatly. An interior lining helps reduce wind noise and enhances insulation. The heated, glass rear window can remain up when the top is down, acting as a windscreen. Available in Black or Gray. (650i Convertible only)



■ **Adaptive Brake Lights** help following drivers judge your braking situation. Under light braking, the lower three rows of long-life LEDs in the rear brake-light unit illuminate. During panic braking, Dynamic Brake Control (DBC) signals for the two upper rows of LEDs to illuminate.



## Combinations

Interior colors	Dakota Leather			Pearl Leather <sup>1</sup>	
Upholstery colors	Cream Beige	Chateau	Black	Cream Beige	Black
<b>Exterior colors</b>					
<b>300 Alpine White</b> Non-metallic		●◆■	●◆	●◆	●◆
<b>668 Jet Black</b> Non-metallic		●◆	●◆	●◆	●◆
<b>354 Titanium Silver</b> Metallic		●◆■	●◆■	●◆■	●◆■
<b>A14 Mineral Silver</b> Metallic		●◆■	●◆■	●◆■	●◆■
<b>A08 Silver Gray</b> Metallic		●◆■	●◆■	●◆■	●◆■
<b>440 Stratus Gray</b> Metallic		●◆■	●◆■	●◆■	●◆■
<b>A13 Atlantic Blue</b> Metallic		●◆	●◆	●◆	●◆
<b>A35 Monaco Blue</b> Metallic		●◆	●◆	●◆	●◆
<b>A39 Barbera Red</b> Metallic		●◆	●◆		●◆
<b>475 Black Sapphire</b> Metallic		●◆	●◆	●◆	●◆
<b>Interior Trim</b>					
<b>Ruthenium Pearl-Gloss<sup>2</sup></b>					
<b>Dark Birch Wood, High-Gloss<sup>3</sup></b>					
<b>Light Birch Wood, High-Gloss<sup>3</sup></b>					

<sup>1</sup>Optional. Center console and sun visors are Black Nasca Leather

<sup>2</sup>Standard.

<sup>3</sup>No-cost option.

● 650i Coupe interior color choices.

◆ 650i Convertible interior color choices offered with 388 Black Softtop (standard).

■ 650i Convertible interior color choices offered with 389 Gray Softtop (no-cost option).



Equipment

Performance and efficiency	650i Coupe	650i Convertible
4.8-liter DOHC (4 cam) 360-hp 32-valve V-8 engine with Valvetronic	●	●
Aluminum block and cylinder heads	●	●
Direct ignition system with knock control	●	●
Two-stage intake manifold	●	●
Double-VANOS steplessly variable valve timing	●	●
Electronically controlled engine cooling (map cooling)	●	●
6-speed manual transmission with Dynamic Driving Control (Sport button)	●	●
6-speed STEPTRONIC three-mode automatic transmission including Sport and Manual shift modes, Dynamic Driving Control (Sport button), and Adaptive Transmission Control (ATC) <sup>1</sup>	○	○
6-speed Sequential Manual Gearbox (SMG) with Automated and Manual modes. Includes Dynamic Driving Control (Sport button) <sup>1, 2</sup>	○	○

Handling, ride and braking	650i Coupe	650i Convertible
Vehicle-speed-sensitive variable-assist, variable-ratio rack-and-pinion power steering	●	●
Aluminum front and rear subframes	●	●
Twin-tube gas-pressure shock absorbers	●	●
4-wheel ventilated anti-lock disc brakes (ABS) with Dynamic Brake Control (DBC)	●	●
Sport suspension	●	●
Active Roll Stabilization (ARS)	●	●
Active Steering with variable steering ratio	○	○
Dynamic Stability Control (DSC), including Dynamic Traction Control (DTC), electronic brake proportioning and cornering/braking stability enhancement	●	●

Exterior and aerodynamics	650i Coupe	650i Convertible
18x8.0 Double Star Spoke (Style 120) cast alloy wheels, with 245/45R-18 run-flat all-season tires	●	●
19x8.5 front, 19x9.0 rear Ellipsoid (Style 121) cast alloy wheels, with 245/40R-19 front, 275/35R-19 rear run-flat performance tires <sup>3</sup>	□	□
Tire Pressure Monitor	●	●
Rain-sensing windshield wipers with adjustable speed	●	●
Xenon Adaptive Headlights with dynamic auto-leveling	●	●
<div><div>● Standard equipment</div><div>○ Optional equipment</div><div>□ Sport Package</div><div>◆ Cold Weather Package</div></div> <div><div><sup>1</sup> No-cost option.</div><div><sup>2</sup> Requires Sport Package.</div><div><sup>3</sup> Due to low-profile tires, please note: wheels, tires and suspension parts are more susceptible to road hazard and consequential damages. Performance tires are not recommended for driving in ice and snow. Run-flat tires do not come with a spare wheel and tire.</div></div>		



Equipment

Exterior and aerodynamics (continued)	650i Coupe	650i Convertible
White turn-signal indicators	●	●
Headlight washing system	●	●
Halogen free-form foglights	●	●
Park Distance Control	●	●
Aluminum hood and doors	●	●
Power adjustable, heated, body-colored side-view mirrors with automatic-dimming function	●	●
Auxiliary input	●	●
Thermoplastic front side fenders and sheet molding compound trunk lid	●	●
Choice of standard or metallic paints	●	●
Green band windshield <sup>4</sup>	●	●
Chromeline exterior trim	●	●
Shadowline High-Gloss exterior trim	□	□
Fully lined fabric softtop with glass rear window and electric rear-window defroster		●

Instrumentation and controls	650i Coupe	650i Convertible
Multi-function 3-spoke sport steering wheel with controls for audio system, cruise control, and Bluetooth® wireless connection and accessory phone <sup>5</sup>	●	●
Electronic analog speedometer and tachometer and LCD main and trip odometers	●	●
Expanded Check Control vehicle monitor system	●	●
iDrive system with on-board computer	●	●
Head-up Display (HUD) <sup>6</sup>	○	○
Exterior temperature display with warning for freezing temperatures	●	●
Programmable Cruise Control	●	●
Active Cruise Control (ACC)	○	○
NightVision	○	○
BMW on-board navigation system with voice feedback, Voice Activation and Real Time Traffic Information <sup>7</sup>	●	●
Engine Start/Stop button	●	●

- Standard equipment
- Optional equipment
- Sport Package
- ◆ Cold Weather Package

<sup>4</sup> Not available with Head-up Display.  
<sup>5</sup> If so equipped.  
<sup>6</sup> Not available with green band windshield.  
<sup>7</sup> Real Time Traffic Information feature not available with optional High Definition Radio.



Equipment

Interior seating and trim	650i Coupe	650i Convertible
Dakota Leather upholstery and door trim	●	●
Pearl Leather upholstery and door trim with center console and sun visors in Black Nasca Leather	○	○
Ruthenium Pearl-Gloss finish interior trim	●	●
Dark Birch High-Gloss wood interior trim <sup>8</sup>	○	○
Light Birch High-Gloss wood interior trim <sup>8</sup>	○	○
8-way power front seats with 2-way adjustable headrests	●	●
3-setting memory system for driver's seat, side-view mirrors, and steering wheel position	●	●
4-way power lumbar support for front seats	●	●
8-way power front sport seats with adjustable headrests and manual thigh support	□	□
Adjustable front center armrest	●	●
Color-matching floor mats	●	●

Comfort and convenience	650i Coupe	650i Convertible
Automatic climate control with separate left/right temperature and air distribution controls, with automatic air recirculation	●	●
Micro-filter ventilation system with replaceable active-charcoal filters	●	●
Tilting Glass Panel roof with electric sliding roofliner	●	
Automatic-dimming inside and outside rear-view mirrors	●	●
Power tilt and telescopic steering wheel with automatic tilt-up	●	●
Power windows with key-off and “one-touch” up and down operation both front and rear, anti-trapping feature, opening from remote, and closing from exterior lock	●	●
Ambiant interior lighting	●	●
Dual front sun visors with illuminated mirrors	●	●
Cupholders front and rear	●	●
Heated driver's door lock and rear window defroster	●	●
Heated front seats	○ / ◆	○ / ◆
Heated steering wheel	◆	◆
Voice Activation	●	●
Ski bag	◆	◆
Fully finished trunk with tool kit and interior trunk release	●	●
Integrated 3-button Universal garage-door opener	●	●
Glove compartment with rechargeable take-out flashlight	●	●
Power softtop and heated rear glass window deflector		●
Comfort Access	○	○
● Standard equipment ○ Optional equipment □ Sport Package ◆ Cold Weather Package		
<sup>8</sup> No-cost option.		



## Equipment

Audio system	650i Coupe	650i Convertible
Anti-theft AM/FM stereo/CD audio system with Auto-Store, FM diversity antenna system, and MP3 capabilities	●	●
Logic7 sound system with Surround Sound, Digital Sound Processing, upgraded speakers (including two subwoofers), center dash speaker, and MP3 CD playback	○ <sup>9</sup>	○
Pre-wiring for BMW center installation of BMW 6-disc CD changer, BMW mobile telephone, and satellite radio installation	●	●
SIRIUS Satellite Radio	○	○
High Definition Radio <sup>10</sup>	○	○

Safety and security	650i Coupe	650i Convertible
Driver's and passenger's front airbag supplemental restraint system (SRS) with dual-threshold deployment, 2-stage Smart Airbags	●	●
Head Protection System	●	
Active Knee Protection	●	●
Door-mounted side-impact airbags	●	●
Front safety belts with automatic tensioners and force limiters	●	●
Latch attachment for child-restraint safety installation	●	●
Automatic-locking retractors (ALR) on all passenger seat safety belts (for installation of child-restraint seats)	●	●
Interlocking door anchoring system to help protect against door intrusion in side impacts	●	●
Intelligent Safety and Information System (ISIS) for deployment of safety systems	●	●
Rollover Protection System		●
BMW Assist™ with Bluetooth® wireless technology for hands-free calling (with Bluetooth enabled mobile phone), phonebook downloading and speech recognition capabilities <sup>11</sup>	●	●
Impact sensor that activates Battery Safety Terminal disconnect of alternator, fuel pump and starter from battery; turns on hazard lights, interior lights and unlocks doors	●	●
Adaptive Brake Lights	●	●
Coded Driveway Protection (prevents engine start when your key with constantly changing electronic code is not used)	●	●
Remote keyless entry security alarm system with selective unlocking and double-lock feature (programmed at BMW center), remote trunk opening, interior motion detector, and panic feature	●	●

BMW Services	650i Coupe	650i Convertible
BMW Ultimate Service™ <sup>12</sup>	●	●

● Standard equipment  
 ○ Optional equipment  
 □ Sport Package  
 ◆ Cold Weather Package

<sup>9</sup> Logic7 system in the 650i Coupe also includes two midrange speakers in shelf behind rear seats.  
<sup>10</sup> Real Time Traffic Information (included in on-board navigation system) not available with High Definition Radio.  
<sup>11</sup> Bluetooth allows virtually entire phonebook download capability with BMW-approved phones.  
<sup>12</sup> For full details on BMW Ultimate Service, including exclusions and limitations, see page 64.



Equipment

Sport Package	650i Coupe	650i Convertible
19x8.5 front, 19x9.0 rear Ellipsoid (Style 121) cast alloy wheels, 245/40R-19 front, 275/35R-19 rear run-flat performance tires <sup>13</sup>	□	□
8-way power front sport seats with adjustable headrests and manual thigh support	□	□
Shadowline High-Gloss exterior trim	□	□

Cold Weather Package	650i Coupe	650i Convertible
Heated front seats	◆	◆
Heated steering wheel	◆	◆
Ski bag	◆	◆

All illustrations and specifications contained in this brochure are based on the latest product information available at the time of printing. BMW reserves the right to make changes at any time, without notice, in colors, materials, equipment, specifications and models. BMW may, subject to legal requirements, determine the Model Year designation of its vehicles. The Model Year designation on any particular model may be longer or shorter than 12 months. Some vehicles pictured may contain non-U.S. equipment. Some models may be shown with optional equipment. While BMW NA makes all reasonable efforts to provide accurate information in this brochure, there is no guarantee or warranty of accuracy. Furthermore, we do not assume any liability for the accuracy or completeness of information presented. This brochure shall not be used or relied upon as a substitute for information that is available from your BMW center. Further information can be obtained from your authorized BMW center or [bmwusa.com](http://bmwusa.com).

- Sport Package
- ◆ Cold Weather Package

<sup>13</sup>Due to low-profile tires, please note: wheels, tires and suspension parts are more susceptible to road hazard and consequential damages. Performance tires are not recommended for driving in snow and icy road conditions. Run-flat tires do not come equipped with a spare wheel and tire.



Equipment | Technical data

Dimensions		650i Coupe	650i Convertible
Length/width/height	inches	190.2/73.0/54.1	190.2/73.0/54.1
Wheelbase	inches	109.4	109.4

Weight		650i Coupe	650i Convertible
Unladen	lb.	3814 (3814)	4277 (4277)
Weight distribution, front/rear	%	52.6/47.4 (52.6/47.4)	48.3/51.7 (49.0/51.0)

Engine		650i Coupe	650i Convertible
Liter/type		4.8/V-8	4.8/V-8
Bore/stroke	inches	3.66/3.48	3.66/3.48
Nominal output/rpm	hp	360 @ 6300	360 @ 6300
Max torque/rpm	lb-ft	360 @ 3400	360 @ 3400
Compression ratio	:1	10.5	10.5
Fuel grade		Unleaded premium	Unleaded premium

Performance		650i Coupe	650i Convertible
Acceleration 0 – 60 mph <sup>1</sup>	sec	5.3 (5.4)	5.6 (5.7)
Top speed <sup>2</sup>	mph	150	150
Aerodynamic drag coefficient	C <sub>d</sub>	0.30	0.32

Fuel consumption <sup>3</sup>		650i Coupe	650i Convertible
City/Highway, Manual or SMG	mpg	15/23 [16/22]	14/22 [15/21]
City/Highway, Automatic	mpg	TBD/TBD	TBD/TBD

<sup>1</sup> 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.**

<sup>2</sup> Top speed limited electronically.

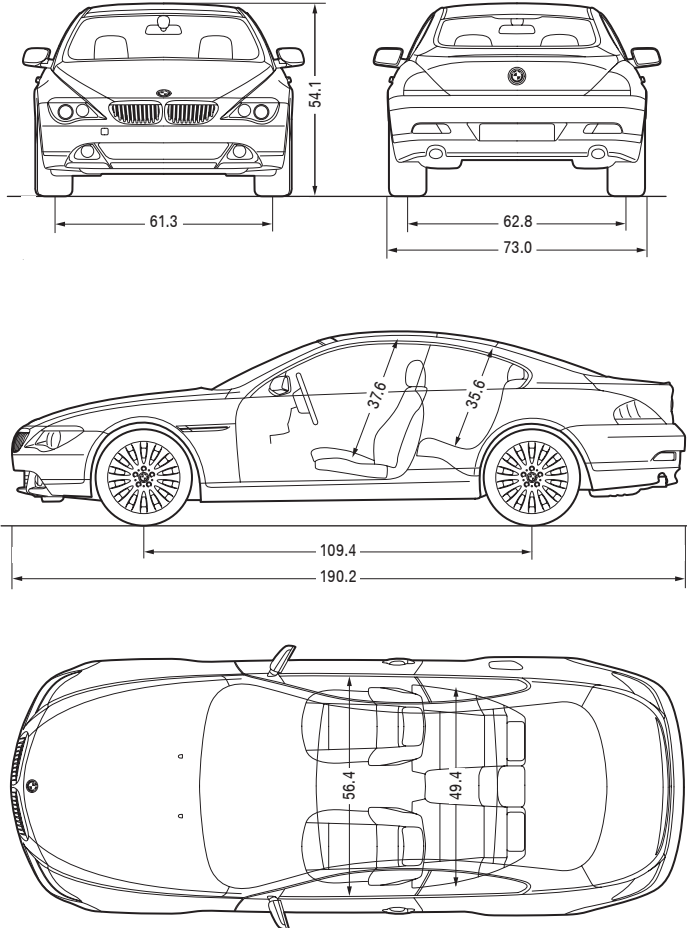
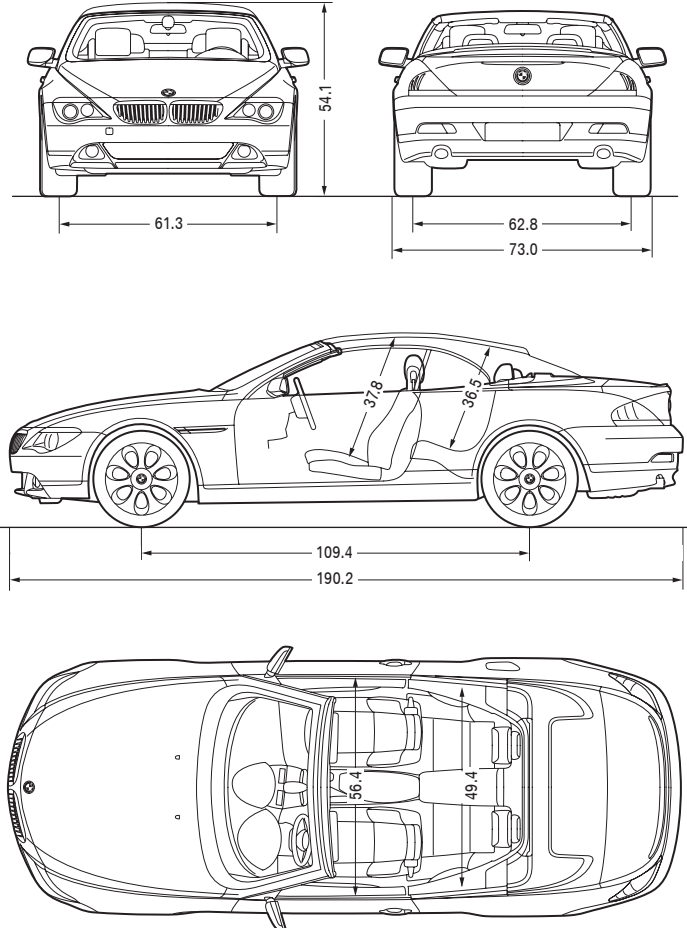
<sup>3</sup> Fuel consumption figures not available at time of printing. Please go to [bmwusa.com](http://bmwusa.com) for latest information. EPA-estimated figures are for comparison purposes only. Your actual mileage will vary, depending upon speed, driving habits, trip length and driving conditions; actual mileage will most likely be lower.

**Figures in ( ) apply to models with 6-speed automatic transmission. Figures in [ ] apply to models with 6-speed SMG transmission.**

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Equipment | Technical data

Wheels		650i Coupe	650i Convertible
Standard tire dimensions		245/45R-18	245/45R-18 front 275/40R-18 rear <sup>4</sup>
Standard wheel dimensions	inches	18 x 8.0	18 x 8.0 front 18 x 9.0 rear
Material		Light-alloy	Light-alloy
Optional tire dimensions <sup>4</sup>		245/40R-19 front 275/35R-19 rear	245/40R-19 front 275/35R-19 rear
Optional wheel dimensions	inches	19 x 8.5 front 19 x 9.0 rear	19 x 8.5 front 19 x 9.0 rear
Material		Light-alloy	Light-alloy
			
<p>All dimensions are shown in inches and apply to models with standard wheels. Wheels shown in technical drawings not available in the U.S. NOTE: Measurements do not include vehicle width from mirror to mirror.</p>		<p><sup>4</sup> Due to low-profile tires, please note: wheels, tires and suspension parts are more susceptible to road hazard and consequential damages. Performance tires are not recommended for driving in snow and icy road conditions. Run-flat tires do not come equipped with a spare wheel and tire.</p>	