



For Release: December 15, 2005

**X3 FOR 2006:
BMW's Trim Sports Activity Vehicle Gets Esthetic Refinements**

Woodcliff Lake, New Jersey, December 15, 2005...BMW offers its Sports Activity Vehicles in two Series: X5, the original SAV, and X3, the somewhat trimmer, lighter expression of this highly distinctive and successful concept. The X5 came first (in model year 2000), and quickly established itself as "the BMW of sport-utility vehicles"; the X3 was introduced in '04 as a vehicle that would bring BMW SAV values to a more accessible market segment.

Since its debut, X3 Series sales have essentially equaled those of the X5 Series and, in doing so, nearly doubled BMW's SAV success: So far in '05, through September, 25,409 X3s were delivered in the U.S. Add that to the X5 Series' 28,207 units and you have 53,616 SAVs, compared to 49,308 for the same period in '04.

For '06 the X5 appears in a single model, the more upscale 3.0i; the previous "entry" X3 2.5i captured only 20% of X3 sales in model year '05. 2006 is an evolutionary year for the X3, featuring a number of esthetic refinements to the 3.0i:

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What's new for 2006

- Body-color front and rear bumpers; previously matte-black finish
- Body-color side skirts (rocker panels) and wheel arches on vehicles with Sport Package
- A new wheel design for the 18-in. Sport Package wheels and the available 18-in. wheels in differentiated front/rear sizes
- Chrome vertical grille slats and beltline trim along side windows
- A new design for the sport steering wheel that's part of the Sport Package.



At \$37,495 including destination charge, the X3 3.0i's base price is up a modest \$500 from '04.

**What the media are saying
about the X3**

Since its debut and the initial media rounds, the X3 continues to win highly positive reviews. Here is just a small sample of what critics have had to say about it along the way:

—more—

- *auto motor und sport*, Germany, April 27, '05: From a comparison test with a popular competitor, "With typical BMW strengths, the X3 takes first place; it can be driven very dynamically, and spoils its driver with a wonderful 6-cylinder engine."
- *Edmunds.com*, from a longterm test posted December 17, '04: "The X3 is probably the most confident vehicle I've driven in the rain," remarked Karl [Brauer]. "I'm not sure how much of this was influenced by the X3's tires, weight distribution or all-wheel-drive system, but whatever the cause, the result was pretty impressive."
- *Automobile Magazine*, May '04, announced that the X3 had been named Best Small SUV in its annual Readers' Choice All-Stars awards.
- *Business Week*, April 26, '04: "A steal – and still fun to drive."
- *Edmunds.com*, posted April 16, '04: "On a twisty road, the X3 once again reminded us of a 330i. Although there was a little more body roll than we expected, it didn't seem to hurt the handling or fun quotient. The X3 always felt utterly composed, whether running 'round a freeway on-ramp or making quick transitions through the favored twisty two-laners of this writer."
- *Ski Magazine*, March/April '04: "I'm in love with the optional two-section panoramic sunroof, which gives rear passengers as much light as the front and adds a quasi-convertible feel. And there's room for five passengers."

Legendary BMW 6-cylinder power

BMW 6-cylinder engines are of the inline variety. This layout is rare these days as most vehicle makers use V-6s, primarily because their compactness suits tightly packaged front-wheel-drive cars. An inline layout takes more space, but BMW favors it for its smoothness and sound. Indeed, the expert media consistently applaud the Bavarians for doing so. In an early drive of the X3, the German magazine *Auto Bild alles allrad*¹ noted of an X3 3.0i with automatic transmission that "Even when one doesn't select the Sport mode, the smooth inline engine revs handily to its redline before the transmission shifts smoothly to the next gear."

The X3 engine is of BMW's acclaimed M54 engine architecture, whose salient points include –

- Aluminum block and cylinder head
- Dual overhead camshafts/24 valves

¹ – "Auto Bild" is the parent magazine's name; "alles allrad" means "all about all-wheel-drive vehicles."

- Double VANOS² steplessly variable intake- and exhaust-valve timing
- Dual resonance intake system.

Previously, 2.5- and 3.0-liter engine versions powered the two X3 models; for '06 the 3.0-liter version continues in the X3 3.0i with 225 hp @ 5900 rpm and 214 lb-ft. @ 3500. It delivers a decidedly lively 0-60 time of 7.6 sec. with manual transmission, 7.9 sec. with automatic. Again we turn to *Edmunds.com* for an objective assessment: “Even though the competition fields more powerful sixes, this engine, which BMW also uses in its cars, continues to be a favorite of ours. It's smooth as silk, has a ripping exhaust note when you wind it out and performs like it's hiding 40 more horses under the hood.”

The standard ZF Type H 6-speed manual transmission is notable for light weight and precise shifting; it truly provides a gear for every driving situation. The 5-speed automatic is a STEPTRONIC, with Sport and Manual modes, the latter offering driver-controlled shifting by “flicking” the lever forward or rearward.

**xDrive system:
variable torque split, quick reflexes
in adapting to changing driving conditions**

Like other current BMW models with all-wheel drive, the X3 incorporates BMW's intriguingly advanced **xDrive** all-wheel drive and traction system. Indeed, in the X3, along with its essentially all-new chassis, xDrive is at the heart of what are remarkable handling and traction capabilities.

Housed in a transfer case behind the transmission, xDrive takes a clearheaded approach to apportioning driving torque between the front and rear wheels. In its essence, xDrive operates as follows:

- Driving torque is always transmitted to the rear wheels, and most of the time to all four wheels.
- The portion of torque transmitted to the front wheels is controlled by a multi-disc clutch that can be fully open, fully engaged or at any level of partial engagement in between. Thus the torque split between rear and front wheels is **steplessly variable**.

² – VANOS = **VA**riable **NO**ckenwellen **St**euering = variable camshaft control, or variable valve timing.

- Engagement pressure on the multi-disc clutch is applied by a servo motor, which in turn is directed by an electronic control system that receives inputs from the DSC system via sensors for –
 - Rotational speed of each wheel
 - Steering angle
 - Brakelight switch
 - Vehicle yaw and lateral acceleration.
- The servo motor exerts engagement pressure on the multi-disc clutch via a linkage consisting of levers, a ball ramp and a disc cam.

Considering the front and rear wheels as two pairs, the rears always drive; the proportion of the total driving torque apportioned to the front pair at any given time depends upon the degree to which the multi-disc clutch is engaged (i.e. the engagement pressure exerted by the servo motor). As more torque is transferred to the front wheels, a smaller proportion goes to the rear. With full traction at all wheels, the maximum proportion to the front is 50%; in a situation where both rear wheels are on glaze ice and the fronts are getting traction, the proportion going to the rears can approach zero.

All-wheel drive is essentially permanent; however, under normal traction conditions, there are defined circumstances under which xDrive operates in rear-wheel drive only:

- During tight cornering with little engine torque, to permit large wheel-speed variations between the front and rear wheels (such as when parking).
- In tight curves with low to medium torque.
- At speeds in excess of 180 km/h (112 mph).
- When the vehicle tends to understeer markedly.
- Anytime the antilock braking function is active.

In normal driving, the clutch is operated with minimum slip, resulting in a torque split of 40% front / 60% rear. Under conditions of uneven traction, the control system interprets wheel-speed data to determine the front/rear driving-torque proportions. Additionally, the DSC traction-control function can intervene to reduce engine torque and apply individual wheel brakes, thus helping achieve the maximum possible usable drive for moving the vehicle. Via the DSC switch on the console, the driver can also de-activate engine intervention, leaving only the brakes; this function is referred to as ADB-X (Automatic Differential Brake for all-wheel drive).

But xDrive does not optimize traction alone; it can also enhance handling characteristics, fostering both agility and stability on non-slippery as well as slippery road surfaces. Via the same type of logic DSC employs to recognize and correct for excessive over- or understeer, xDrive adjusts the front/rear torque split to avoid these tendencies. If undesirable oversteer is sensed, the multi-disc clutch is completely closed, sending the maximum possible torque to the front wheels. If excess understeer is detected, xDrive opens the multi-disc clutch completely, leaving no driving torque at the front wheels. All this occurs smoothly, with no overt indications to the driver; the driver merely enjoys optimum dynamics under a wide range of driving and road conditions.

xDrive even varies the front/rear torque split according to acceleration on dry pavement, increasing the proportion to the rear wheels under heavier acceleration and decreasing it under lighter acceleration. The system's algorithms are programmed to accomplish this.

In connection with all these adjustments to the front/rear torque split, it's essential to note that xDrive makes them ultra-quickly; reaction times (from sensing to control actions) are so fast that it could almost be said that the system operates pro-actively.

At the "bottom line," xDrive enables the X3 to offer what is surely the most agile handling characteristics ever achieved in this vehicle format. *Auto Bild alles allrad* again:

"The new xDrive system makes a convincing debut. Given adequate wheel loading, on vigorous runs at steep unpaved hills there's no noticeable wheelspin." And the German magazine noted what it called "satisfactory measurements for this type of vehicle" for ground clearance, fording ability, and approach/departure angles.

**BMW chassis engineering
also contributes to X3's road abilities**

xDrive and bad-road capability, however, aren't the only factor in the X3's unique blend of handling talents. First of all, as the foundation for all this road technology, the X3 has a highly rigid unitized body structure that not only stands up to the rigors of tough

going, but also abets a quiet and vibration-free ride in the more usual exercises of driving on paved roads and streets.

Up front, the suspension system is an X3-only version of the double-pivot strut-type layout that also contributes to the excellent ride and handling of BMW's new 3 Series Sedans and Sports Wagon as well as all 5, 6, 7 and X5 Series models. At the rear, the X3 employs an evolution of the multi-link suspension concept from 3 Series Coupes and Convertibles – called Central Link – for the more rugged terrain to which X3s will sometimes be subjected.

Aluminum components help reduce unsprung weight and thus contribute to a relatively supple ride over rough surfaces: in the front suspension, the forward lower links; at the rear, the upper transverse links. There are of course front and rear anti-roll (stabilizer) bars, and a firmer suspension calibration is included with the optional Sport Package (see **options and accessories**).

Continuing a BMW concept first seen in the M3 sports cars and since their debut extended to other Series, X3s have specific reinforcements that help maintain precise suspension movements: at the front, a large-area thrust plate that also serves as a skid plate; at the rear, dual diagonal braces. Both beef up the underbody area where the suspension subframes attach.

As on all current BMWs, steering is by rack and pinion with variable power assist. Standard is engine-speed-sensitive assist, which increases at very low engine speeds to reduce parking efforts. Optional Servotronic vehicle-speed-sensitive assist further reduces parking effort and provides a progressive diminution of assist with increasing vehicle speed.

Ventilated disc brakes are standard, with 325-mm/12.8-in. diameter at the front and 320/12.6 at the rear. Four alloy wheel types are offered:

- 17 x 8.0-in. wheels with 235/55R-17 H-rated all-season tires are standard.
- 18 x 8.0-in. wheels with 235/50R-18 H-rated all-season tires are available as a stand-alone option.
- The Sport Package includes 18 x 8.0-in. wheels with 235/50R-18 H-rated all-season tires. Their sporty V Spoke design is distinctive from that of the standard and optional wheels above.

- Offered in combination with the Sport Package are 18 x 8.0 front/18 x 9.0 rear wheels of the same new design as the Sport Package wheels; these carry 235/50R-18 front / 255/45R-18 V-rated performance tires. Because of these tires' higher-speed V-rating, the standard 130-mph electronic speed limiter is deleted, allowing a "natural" top speed of 137 mph.

Once again the German magazine *Auto Bild alles allrad* provides independent verification of X3 abilities: "The X3 follows the commands of its very direct steering; there's no sluggish understeer. In fast curves, the body rolls hardly at all; the X3 maneuvers smoothly and securely on poorly surfaced mountain roads. On slippery asphalt, the xDrive's stabilizing effect is confirmed: handling remains nicely neutral, and the sport-calibrated DSC seldom needs to intervene." Another German magazine, *Auto Zeitung*, concurred in its October 22, '03 issue: "Foolproof and sporty handling...Even more dynamic is the X3 with sport suspension and the differentiated front/rear tires; many sport sedans won't be able to keep up with it."

X3 exterior: lively, youthful interpretation of the BMW SAV esthetic

As a visual expression of its engineering concept, this SAV radiates agility, grace and youthful athleticism. One sees the concave/convex interplay that characterizes all recent BMW designs. Front and rear bumpers newly in body color provide a more substantial look while enhancing the X3's sporty character as well. Clean body sides are accented by flexible, damage-resistant black surfaces around the wheelwells and along the rocker panels. (Sport Package-equipped vehicles now get body-color wheel arches and rocker panels.) New-for-'06 chrome accents – for the grille verticals and along the body beltline – add touches of elegance. Roof rails are standard, as is a roof spoiler that contributes to an excellent 0.35 aerodynamic drag coefficient. Electrically released, the one-piece tailgate rises on gas struts to provide 6-ft. clearance for loading.

A cargo area that accommodates X3 users' active lifestyles

The X3 cargo hold reflects BMW's characteristic attention to esthetics and function. Accommodating up to 71 cubic feet of "stuff," it comes standard with a retractable cover, velour carpeting and side trim, left- and right-side lights as well as one in the tailgate, and an accessory electrical power outlet; longitudinal rails can be used to secure accessories such as the available two-bicycle rack. Concealed storage is

provided in the cargo area's right side; an available cargo net can be positioned in different ways to separate cargo and seating areas.

**Roomy, versatile
and appealing interior**

The X3 cabin is BMW through and through: well thought-out ergonomics, tasteful design, materials and equipment that range from efficient quality to elegant luxury. Climate, audio and ancillary controls are grouped attractively above and in the center console; durable and functional leatherette upholstery is standard, as is dark-tone Maple Sycamore wood trim. Optional materials are described under **options and accessories**.

Standard furnishings include 8-way power front seats and a memory system for the driver's seat and exterior mirrors. The steering wheel is tilt/telescopically adjustable. Storage space is generous: Each front door has two storage bins, the forward one with a flexible net; each rear door has a single bin. For front occupants, the center console includes an armrest and single cupholder; a retractable dash cupholder serves the front passenger. The console compartment accommodates an available 6-disc CD changer.

In 2005, detail interior refinements added style and subtlety as well as practicality to the X3 interior. These include:

- Aluminum doorsill trim inserts with BMW logo
- Pearl-gloss chrome on the door handles and gearshift boot clasp
- Center "stack" of climate and controls, air vents and top storage lid in a finer black soft-touch material
- Color-coordinated front center armrest with leatherette interior
- Color-coordinated map pockets and nets at bottoms of front doors
- Escutcheon of power-window controls also color-coordinated
- Dual-panel Panorama Moonroof
- MP3 capability for the audio system. An MP3-formatted disc, which can contain 100-150 selections compared to a conventional CD's 1-15 selections, can be played in the standard CD drive.

The rear-seat backrest is split 60/40, its two portions folding down to provide cargo- and people-carrying versatility. In the “60” portion, a folding center armrest includes two cupholders, storage space and the center head restraint.

**Safety and security:
continuing evolution and
a front/rear Head Protection System**

All contemporary BMWs provide excellent occupant protection; for the X3 Series, BMW’s Research and Engineering Center in Munich, Germany has carefully evolved the company’s established safety concept.

Both front-impact airbags, for example, are further developed to optimize their 2-stage, accident-severity-dependent deployment characteristics, inflated shape and interaction with surrounding surfaces and components. Front safety belts include automatic tensioners and force limiters. The standard-equipment Head Protection System for front and rear occupants is configured as a curtain-type system.

Other notable safety features and systems include:

Ultra-sensitive “satellite” side-impact sensors. By sensing pressure change within the door structure (rather than deformation), they signal for deployment early in a side impact, yet minimize the chance of an unwanted development.

Interlocking door anchoring system. This familiar BMW feature employs an aluminum reinforcing bar in each door to strengthen the body side. At the aft end of each diagonally positioned bar is a hook-like member that, in a serious side impact, hooks into the body as the door deforms. The system is designed so that after most impacts, elastic snap-back releases the hook and the doors can be opened.

Intelligent Safety and Information System (ISIS), an overall system for controlling the vehicle’s safety systems and devices. ISIS is a decentralized system, with an overall Safety Gateway Module (SGM) and seven subordinate control units, each with a microprocessor of its own. This multiplicity of units provides a redundancy that helps preserve system reliability even when portions of the system might be damaged by accident forces. In interaction with the main and subordinate units, ISIS employs fully 14 sensors, which together achieve remarkable “tailoring” of the deployment of airbags, Battery Safety Terminal and safety-belt tensioners to actual accident circumstances.

Supporting the sophisticated electronic control scheme itself, fiber-optic cables are not susceptible to extraneous electromagnetic disturbances. System software can be updated over the life of the vehicle.

**Options and accessories:
a wide range available to personalize the X3**

X3 buyers are particularly eager to personalize their vehicles to suit their varied lifestyles. To this end, a wide and appealing range of options, both Packages and stand-alone, is offered.

Packages:

Premium Package. Includes leather upholstery, 4-way power lumbar support for the front seats, an auto-dimming interior mirror and BMW Assist (described later).

Sport Package. Sport suspension, 18 x 8.0 wheels, 235/50R-18 H-rated all-season tires, Shadowline (black) exterior trim, power sport front seats, a sport steering wheel, and for 2006, body color wheel arches and rocker panels.

Cold Weather Package: high-intensity liquid headlight cleaning system, heated front seats and an interior ski bag.

Stand-alone options:

STEPTRONIC automatic transmission, 5-speed with Sport and Manual shift modes. No extra cost.

Servotronic power steering. Vehicle-speed-sensitive power assist in place of the standard engine-speed-sensitive system.

18-in. wheels and all-season tires in a design that's distinct from that of the Sport Package.

18-in. wheels and performance tires in differentiated front/rear sizes; available only in combination with the Sport Package, and in a new design.

Xenon Adaptive headlights with auto-leveling. Augmenting the powerful forward illumination of Xenon lamps, Adaptive Light Control (ALC) literally "aims" at making night driving safer. The outboard lights steer with the front wheels, guided by an electronic control system and swiveled by small servo motors. The system responds not merely to the steering angle, but also to vehicle speed and the "yaw rate" at which the vehicle's direction is changing. The driver enjoys enhanced night vision around corners and curves. Auto-leveling of the headlights is also included.

Park Distance Control – Via ultrasonic sensors in the front and rear bumpers, PDC senses when the vehicle is approaching obstructions that may not be visible to the driver. Beepers at the front and rear of the cabin alert the driver.

Metallic paint, available in seven colors including Flamenco Red, Black Sapphire and Blue Water.

BMW On-board Navigation System – includes an 8-function On-board Computer.

Leather upholstery – includes seats and door armrests; part of the Premium Package, but also available as stand-alone option.

Alternate interior trims. Maple Sycamore Dark wood trim is standard. Birch Grain Light wood or aluminum-finish trim is available at no extra cost. With its repeated-oval pattern, the aluminum-finish material has a high-tech, highly contemporary appeal.

Heated front seats – available singly for customers who do not wish to order the Cold Weather Package.

Heated steering wheel – available with the standard wheel (not with that of the Sport Package).

Premium audio system. The speaker count (10, including two subwoofers) is the same as that for the standard system, but speakers and other elements are upgraded.

Preparation for Sirius Satellite Radio to be installed by BMW SAV center.

6-disc CD changer, available for BMW SAV center installation in the front console.

iPod Adapter Kit, also available for installation by any BMW SAV center.

Privacy glass aft of the B-pillar.

Rear-seat side-impact airbags – the front and rear Head Protection System is standard.

Cargo net. Retractable into its roller assembly, the net can be attached to the rear-seat backrests with them folded or upright, giving two choices of partitioning between cargo (or pets) and occupants.

Other BMW SAV center-installed accessories include aerodynamic exterior components, carrier systems that attach to the standard roof rails, chrome exhaust extensions, wood shift knobs and handbrake grips. Wood or aluminum interior trim can be retrofitted to older X3s not already so equipped.

**BMW Assist:
for added peace of mind**

In-vehicle equipment for BMW Assist includes GPS technology plus SOS and Assist (“wrench”) buttons in a panel above the windshield. Vehicle occupants may request emergency or other services simply by pressing a button; the BMW Assist system

transmits vehicle location and information to the BMW Assist Response Center. A response specialist then contacts the occupants to coordinate dispatch, notify emergency contacts on file if required, and link BMW Roadside Assistance or emergency services as needed and requested. Deployment of an airbag automatically activates BMW Assist as well.

A year's subscription to the BMW Assist Safety Plan is included with the option; after the initial year, the annual fee is \$240. In addition to the safety-related benefits, subscribers to the Convenience Plan (available for an additional \$140 per year) can call a toll-free 800 number to avail of many BMW Assist Concierge services, from travel planning to dining reservations, shopping assistance and event tickets.

Like all current models, each X3 is covered by BMW's 4-year/50,000-mile limited warranty and 12-year/unlimited-mileage corrosion coverage, and continues to come standard with a 4-year/50,000-mile Full Maintenance Program for customer convenience, peace of mind and economic benefit.

“Der Allrad-Sportler”

Auto Zeitung, the German magazine, titled its X3 driving impression *Der Allrad-Sportler* – “The All-Wheel-Drive Athlete” – and characterized this BMW SAV with these words: “It looks like a contemporary SUV and resembles the X5. And yet the true domain of the new X3 is curving terrain. After our first impressions offroad, on sandy roads, country roads and stretches of *Autobahn*, the X3 earns the title of ‘sports wagon with offroad capabilities.’”

We couldn't say it any better than that; BMW has achieved the goals it set for the X3.

Performance with a conscience

BMW strives to produce its motor vehicles and other products with the utmost attention to environmental compatibility and protection. Integrated into the design and development of BMW automobiles are such criteria as resource efficiency and emission control in production; environmentally responsible selection of materials; recyclability during production and within the vehicle; elimination of CFCs and hazardous materials in production; and continuing research into environmentally friendly automotive power sources. Tangible results of these efforts include the

recycling of bumper cladding into other vehicle components; water-based paint color coats and powder clear coats; near-future availability of hydrogen-powered models; and various design and engineering elements that help make BMWs easier to dismantle at the end of their service life.

BMW Group In America

BMW of North America, LLC has been present in the United States since 1975. ROLLS-ROYCE Motor Cars NA, LLC began distributing vehicles in 2003. The BMW Group in the United States has grown to include marketing, sales, and financial service organizations for the BMW brand, the MINI brand, and the ROLLS-ROYCE brand of Motor Cars; Designworks USA, an industrial design firm in California; a technology office in Silicon Valley and various other operations throughout the country. BMW Manufacturing Co., LLC in South Carolina is part of BMW Group's global manufacturing network and is the exclusive manufacturing plant for all Z4 Roadster and X5 Sports Activity Vehicles. The BMW Group sales organization is represented in the U.S. through networks of 340 BMW passenger-car centers, 327 BMW Sports Activity Vehicle centers, 148 BMW motorcycle retailers, 80 MINI passenger-car dealers, and 25 ROLLS-ROYCE Motor Car dealers. BMW (US) Holding Corp., the BMW Group's sales headquarters for North, Central and South America, is located in Woodcliff Lake, New Jersey.

Information about BMW Group products is available to consumers via the Internet at:

www.bmwgroupna.com

www.bmwusa.com

www.bmwmotorradusa.com

www.miniusa.com

www.rolls-roycemotorcars.com



For Release: December 15, 2005

2006 BMW X3 Product Highlights

General

- One of BMW's two Series of Sports Activity Vehicles; more compact, lighter and more accessibly priced than X5
- Single model for 2006: the larger-engined X3 3.0i, at \$37,495 including destination charge
- Sets highest standards in handling agility for this type of vehicle
- Combines desirable features of sport-utility silhouette (commanding driving position, people- and cargo-carrying versatility, feeling of safety & substance, muscular design) with BMW performance, road manners, driving pleasure, quality and safety features
- All-road capability
- Produced under contract to BMW at Magna Steyr in Graz, Austria
- U.S. sales January-September '05: 25,409 units (comparable period '03: 25,030)
- Production of '06 models began on September 1, 2005

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- New wheel design for 18-in. Sport Package wheels, as well as the 18-in. wheels in differentiated front/rear sizes that are optional on vehicles with the Sport Package
- New design for the sport steering wheel that's part of the Sport Package



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Performance & efficiency

- Powered by aluminum 3.0-liter DOHC 24-valve inline 6-cylinder engine with variable intake- & exhaust-valve timing: 225 hp, 214 lb-ft. torque
- 6-speed manual transmission standard
- STEPTRONIC 5-speed automatic transmission optional at no extra cost
- EPA estimated MPG, city/highway: 17/25 (manual transmission) or 16/23 (automatic)

Handling, ride & braking, traction, towing ability

- Fulltime all-wheel drive with advanced **xDrive** system:
 - Electronically controlled multi-disc clutch for varying front/rear torque split
 - Variation of torque split to optimize not only traction, but also handling dynamics; results in unprecedented agility for this type of vehicle. A prominent German magazine called X3 “The All-Wheel-Drive Athlete”
 - Most operation in all-wheel drive; rear-wheel drive under specific operating conditions
- Dynamic Stability Control (DSC), a comprehensive traction & stability system including:
 - 4-wheel traction control, with engine & brake intervention
 - Automatic Differential Brake (traction control via brake intervention only), selectable by brief actuation of DSC switch on console
 - Electronic brake proportioning, adjusting front-to-rear braking force for optimum braking effect, relatively even brake & tire wear
 - Dynamic Brake Control, to help achieve shortest stopping distance
 - Stability enhancement in cornering & avoidance maneuvers
 - Hill Descent Control, to help stabilize vehicle speed on downgrades
- Rigid unit body/chassis structure for excellent handling & riding comfort
- Optimum front/rear weight distribution (less than 1% variation from 50% front / 50% rear for all models & variations)
- 4-wheel independent suspension with typical BMW engineering sophistication:
 - Double-pivot front suspension with aluminum components
 - Central Link multi-link rear suspension with aluminum components
 - Generously dimensioned 4-wheel ventilated disc brakes

Handling, ride & braking, traction, towing ability (cont.)

- Wheels & tires:
 - Standard – 17-in., H-rated all-season tires
 - Option – 18-in., H-rated all-season tires
 - Sport Package – 18-in. H-rated all-season tires (new wheel design for '06)
 - Option – 18-in. V-rated performance tires, differentiated front/rear sizes (available in combination with Sport Package; same wheel design as Sport Package)
- 3500-lb. towing capacity; Gross Vehicle Weight Rating (GVWR) 5049-5104 lb. depending on transmission

Exterior design & function

- Youthful, contemporary, muscular; today's BMW design values in SAV form
- New body-color bumpers
- New chrome vertical grille slats & side beltline trim
- Front foglights
- Rain-sensing windshield wipers
- Heated exterior mirrors & windshield-washer jets
- Roof rails, for various BMW carrier systems
- Adaptive Brake Lights
- Aerodynamic drag coefficient (C_D) an excellent 0.35

Ergonomics, luxury & convenience

- Attractive & versatile interior for five persons
- Leather-wrapped tilt/telescopic steering wheel with multi-function controls
- Cruise control
- 8-way power front seats with driver's-seat/exterior-mirror memory
- Front sport seats included in Sport Package
- Standard leatherette upholstery, optional leather
- Maple Sycamore Dark wood interior trim standard; Birch Grain Light or aluminum-finish trim optional at no extra cost
- Dual-panel Panorama moonroof
- Standard 10-speaker audio system
- Optional premium 10-speaker audio system
- Vehicle & Key Memory – programmable functions to suit customer preferences
- Split folding rear seats

- Variable cargo area with retractable cover, accessory electrical outlets
- 1-piece tailgate, upward-opening, 6-ft. clearance when fully open for person loading or unloading

Safety & security

- Body/chassis unit designed for effective energy management in full-frontal, offset-frontal, side & rear-end impacts
- 3-point safety belts at all seating positions
- Front safety belts include automatic tensioners & force limiters
- Dual-threshold deployment of belt tensioners & front-impact airbags
- 2-stage front-impact Smart Airbags
- Head Protection System for front- & rear-seat occupants
- Standard front side-impact airbags, optional rear side-impact airbags
- Battery Safety Terminal
- Multi-function remote, integrated into head of master key; includes selective unlocking & tailgate release

Factory options

Available option Packages:

- Premium Package
- Sport Package
- Cold Weather Package

Available stand-alone options (some items also included in Packages):

- 5-speed STEPTRONIC automatic transmission (no extra cost)
- Servotronic vehicle-speed-sensitive power steering
- 18-in. wheels & all-season tires
- 18-in. wheels & performance tires in differentiated front/rear sizes (require Sport Package)
- Xenon Adaptive headlights with auto-leveling
- Park Distance Control, front & rear
- Metallic paint
- BMW On-board Navigation System
- Leather upholstery
- Light wood or aluminum-finish interior trim (no extra cost)
- Heated front seats
- Heated steering wheel (not available in combination with Sport Package)

- Premium audio system
- Vehicle preparation for BMW SAV center installation of Sirius Satellite Radio
- Privacy glass

Factory options (cont.)

- Rear-seat side-impact airbags
- Cargo net
- BMW Assist Safety Services and in-vehicle telematics; includes Bluetooth cellphone interface

BMW SAV center-installed accessories

- Trailer-hitch kit
- Skid plates
- Running boards
- Roof-rack systems
- Aerodynamic body components
- Chrome exhaust extensions
- Sirius Satellite Radio
- 6-disc CD changer
- iPod Adapter Kit
- Special shift knobs & handbrake grips
- Cargo organizer
- Cargo-area floor net
- Cargo-area carrier for 2 bicycles
- Alarm system



For Release: December 15, 2005

**2006 BMW X3
Standard & Optional Features**

Bold within table indicates new feature for 2006.

Performance & efficiency	X3 3.0i
3.0-liter DOHC 24-valve inline 6-cylinder engine with Double VANOS steplessly variable valve timing ¹ :	
Aluminum block & cylinder head	S
Chain camshaft drive (requires no periodic maintenance)	S
Dual resonance intake system	S
Electronic throttle system	S
Electronically-controlled engine cooling	S
Direct ignition system with knock control	S
6-speed manual transmission	S
5-speed STEPTRONIC automatic transmission	NC

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Handling, ride & braking

xDrive all-wheel drive system, electronically controlled with variable front/rear torque split & traction control	S
Double-pivot strut-type front suspension	S
Front thrust plate (reinforces structure in suspension area)	S
Central Link rear suspension	S
Rear subframe on four mounts, with acoustically decoupled mounting of suspension system	S
Acoustically decoupled final drive with hydraulic rear mount	S
S – Standard NC – No extra cost	

Handling, ride & braking (cont.) **X3 3.0i**

Front & rear anti-roll (stabilizer) bars	S
Sport suspension calibration	ZSP
Twin-tube gas-pressure shock absorbers	S
Rack-&-pinion power steering with:	
Engine-speed-sensitive variable assist	S
Servotronic vehicle-speed-sensitive steering assist	OPT

¹ – VANOS = **VA**riable **NO**ckenwellen **St**euerung = variable camshaft control, or variable valve timing.
–more–

4-wheel ventilated disc brakes, vacuum-assisted	S
Dynamic Stability Control including electronic brake proportioning, antilock braking (ABS), Dynamic Brake Control, Hill Descent Control & cornering/braking stability enhancement	S
Trailer-hitch kit	C
Alloy wheels:	
17 x 8.0 Double Spoke (design #112) ²	S
18 x 8.0 V-Spoke (design #192M)	ZSP
18 x 8.0 Star Spoke (design #113)	OPT ³
18 x 8.0 front / 18 x 9.0 rear V-Spoke (design #192M)	OPT ⁴
235/55R-17 H-rated all-season tires	S
235/50R-18 H-rated all-season tires	ZSP/OPT
235/50R-18 front / 255/45R-18 rear V-rated performance tires	OPT ^{4,5}
Flat Tire Monitor	S

Exterior design & function

Halogen free-form headlights	S
Xenon Adaptive headlights w/ auto-leveling	OPT
Automatic headlight control	S
High-intensity headlight cleaning system	ZCW
Front foglights	S

S – Standard OPT – Optional ZCW – Cold Weather Package ZSP – Sport Package
 C – BMW center-installed

Exterior design & function (cont.)	X3 3.0i
Daytime Running Lamps	S ⁶
Front & rear body-color bumpers	S
Chrome vertical grille slats & side beltline trim	S
Body-color side skirts (rocker panels) and wheel arches	ZSP
Park Distance Control, front & rear	OPT

² – BMW produces and offers a large number of wheel designs; each has a Design Number.

³ – Not available in combination with Sport Package.

⁴ – Require Sport Package.

⁵ – 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 ice conditions.

⁶ – Selectable via Vehicle Memory System (programming by BMW center).

Rain-sensing windshield wipers with adjustable moisture sensitivity & single-wipe operation	S
Heated windshield-washer jets	S
Power/heated exterior mirrors	S
Auto tilt-down feature for right exterior mirror	S
Metallic paint	OPT
Body-color exterior trim & door handles	S
Shadowline exterior trim	ZSP
Roof rails for BMW carrier systems	S
High-lift tailgate (6-ft. clearance under open tailgate)	S
Rear-window wiper/washer	S
Roof spoiler	S
Dual stainless-steel oval exhaust outlets	S

Ergonomics, luxury & convenience

Vehicle & Key Memory	S
Keyless entry with multi-function remote control:	
Selective unlocking	S
Remote tailgate release	S
Aluminum doorsill trim plates	S
Courtesy lights with fade-in/fade-out feature, actuation from remote control & automatic switch-on when engine is turned off	S
BMW Ambiance Lighting	S
Front & rear reading lights, front footwell lights & visor vanity-mirror lighting	S

S – Standard OPT – Optional ZSP – Sport Package

Ergonomics, luxury & convenience (cont.)	X3 3.0i
Lockable glove compartment w/ rechargeable take-out flashlight	S
Cruise control	S
Automatic-dimming interior rearview mirror	ZPP
Leather-wrapped tilt/telescopic steering wheel with fingertip cruise, audio & phone ⁷ controls	S
Sport steering wheel with same features as standard wheel	ZSP
Heated steering wheel ³	OPT
Leather shift knob	S
Height-adjustable front seats	S
8-way power front seats with driver's-seat & exterior-mirror memory, right exterior-mirror auto tilt-down	S
8-way power + 2-way manual front sport seats with driver's-seat & exterior-mirror memory, right exterior-mirror auto tilt-down	ZSP
4-way power lumbar support, both front seats	ZPP
3-stage, thermostatically controlled heated front seats	OPT/ZCW
Front center armrest & storage compartment	S
Electronic analog instrumentation	S
LCD main & trip odometers	S
Check Control vehicle monitor system with pictogram display	S
4-function On-board Computer	S
BMW On-board Navigation System	OPT
Sensatec leatherette upholstery	S
Leather upholstery	OPT/ZPP
Maple Sycamore Dark wood interior trim	S
Birch Grain Light wood or aluminum-finish interior trim	NC
Power windows with 1-touch open/close front windows, 1-touch open rear windows, anti-trapping feature, opening from remote, opening & closing from exterior door lock	S
Automatic climate control with automatic recirculation & activated-charcoal microfilter ventilation	S

S – Standard OPT – Optional NC – No extra cost

ZCW – Cold Weather Package ZPP – Premium Package ZSP – Sport Package

⁷ – Phone controls active when approved cellphone is used in combination with available Bluetooth interface.

Ergonomics, luxury & convenience (cont.)	X3 3.0i
Dual-panel Panorama Moonroof: front panel slides open, both panels tilt up; interior shade, 1-touch functions	S
MP3-compatible anti-theft AM/FM/CD audio system with Radio Data System, 10 speakers including 2 subwoofers	S
Premium audio system with upgraded audio power & speakers; 10 speakers including 2 subwoofers	OPT
Pre-wiring for CD changer	S
6-disc CD changer (center console)	C
iPod Adapter Kit	C
Preparation for Sirius Satellite Radio	OPT
Sirius Satellite Radio	C
Front & rear cupholders	S
Front-door storage bins & nets, rear-door bins	S
Storage nets on backs of front seats, in front passenger's footwell & on right side of cargo area	S
Roof grab handles, one above each door	S
Split folding rear seats with fold-up center armrest	S
Ski bag	ZCW
Privacy glass	OPT
Accessory electrical outlet at rear of center console	S
Rear-window defroster	S
Variable cargo compartment with velour carpeting, retractable cover, left/right compartment lights, light in tailgate, accessory electrical power outlet	S
Cargo fastening rails & reversible slip-proof floor mat	S
Retractable cargo net	OPT
Toolkit under cargo floor	S

S – Standard OPT – Optional C – BMW center-installed ZCW – Cold Weather Package

Safety & security	X3 3.0i
Dual-airbag Supplementary Restraint System with 2-stage Smart Airbags	S
Automatic front safety-belt tensioners & force limiters	S
Automatic-locking retractors (ALR) on all passenger safety belts (for installation of child restraint seats)	S
LATCH attachments for attachment of child restraint seats	S
Interlocking door anchoring system for side impacts	S
Front- & rear-seat Head Protection System	S
Front-seat side-impact airbags	S
Battery Safety Terminal	S
Automatic fuel-pump shutoff upon severe accident impact	S
Rear side-impact airbags	OPT
Intelligent Safety & Information System (ISIS) for deployment of safety systems	S
BMW Assist Safety Services including automatic collision notification, SOS button, enhanced Roadside Assistance & Bluetooth cellphone interface	OPT/ZPP
Central locking system with double-lock anti-theft feature, selective unlocking & interior locking switch	S
Coded Driveaway Protection	S
Pre-wiring for alarm system	S
Alarm system with operation from keyhead remote	C

S – Standard OPT – Optional C – BMW center-installed ZPP – Premium Package

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For Release: December 15, 2005

2006 BMW X3 Technical Specifications

General	X3 3.0i
Curb weight, lb.:	
Manual transmission	4023
Automatic transmission	4067
Gross vehicle weight rating (GVWR), lb.:	
Manual transmission	5049
Automatic transmission	5104
Wheelbase, in.	110.1
Track, front/rear, in.	60.0/60.7
Length, in.	179.7
Width, in.	73.0
Height, in.	66.0
Ground clearance, in.	8.0
Approach/departure angle, deg.	24.0/21.9
Ramp breakover angle, deg.	18.0
Body	
Type	5-door Sports Activity Vehicle
Aerodynamic drag coefficient	0.35
EPA size classification	Special Purpose Vehicle

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Accommodations	X3 3.0i
Seating capacity, persons	5
Shoulder room, front/rear, in.	55.8/55.4
Head room, front/rear, in. (without moonroof)	39.3/39.4
Leg room, front/rear, in.	40.2/35.8
EPA interior volume, cu ft.	90.1
EPA cargo volume, cu ft.	30.0/71.0 ¹

Engine & electrical

Engine type	DOHC inline 24-valve 6-cylinder, Double VANOS ² steplessly variable intake & exhaust valve timing
Bore x stroke, mm/in.	84.0 x 89.6/3.31 x 3.53
Displacement, cc/cu in.	2979/182
Compression ratio	10.2:1
Power @ rpm, hp	225 @ 5900
Torque @ rpm, lb-ft.	214 @ 3500
Engine-management system	Siemens MS 45 with knock control (2 sensors), variable valve timing, electronic throttle system, dual resonance intake system, engine cooling & other functions included in control strategy
Fuel requirement	Premium unleaded
Fuel capacity, U.S. gal.	17.7
Battery capacity, amp-hr.	70
Alternator output rating, amp./W	150/2100

Drivetrain

	X3 3.0i
Drive system	Front engine/all-wheel drive; xDrive system with electronically controlled multi-disc clutch for variable front/rear torque split depending upon road & driving conditions, all-wheel electronic traction control

¹ – Rear seats upright/folded, loaded to ceiling.

² – VANOS = **VA**riable **NO**ckenwellen **St**euering = variable camshaft control, or variable valve timing.

Drivetrain (cont.)	X3 3.0i
Manual transmission	ZF Type H, 6-speed
Ratios: 1st	4.35:1
2nd	2.50:1
3rd	1.66:1
4th	1.23:1
5th	1.00:1
6th	0.85:1
Reverse	3.93:1
Final drive ratio	3.64:1
Automatic transmission	GM5, 5-speed
Ratios: 1st	3.42:1
2nd	2.22:1
3rd	1.60:1
4th	1.00:1
5th	0.75:1
Reverse	3.03:1
Final drive ratio	3.64:1
Chassis	
Body/frame construction	Unitized steel
Front suspension	Struts, double-pivot lower arms, twin-tube gas-pressure shock absorbers, anti-roll bar (Sport Package: sport calibration)
Rear suspension	Multi-link system with Central Links, upper & lower lateral links, coil springs, twin-tube gas-pressure shock absorbers, anti-roll bar (Sport Package: sport calibration)
Steering type	Rack & pinion, engine-speed-sensitive power assist (optional: vehicle-speed-sensitive power assist)
Overall ratio	18.9:1
Turning circle, ft.	38.4
4-wheel ventilated disc brakes:	
Diameter, front, mm/in.	325/12.8
Diameter, rear, mm/in.	320/12.6

Chassis (cont.)	X3 3.0i
Alloy wheels:	
Standard	17 x 8.0
Sport Package or optional	18 x 8.0
Opt. (Require Sport Package)	18 x 8.0 front/18 x 9.0 rear
Tires:	
Standard	235/55R-17 H-rated all-season
Sport Package or optional	235/50R-18 H-rated all-season
Opt. (require Sport Package)	235/50R-18 front/255/45R-18 rear V-rated performance ³
Stability-enhancement system	Dynamic Stability Control (DSC); includes electronic brake proportioning, antilock braking (ABS), Dynamic Brake Control, cornering/braking stability enhancement & Hill Descent Control

Performance data

Acceleration, 0-60 mph, sec. ⁴	
Manual transmission	7.6
Automatic transmission	7.9
Top speed, mph:	
Std. or Sport Package All-season tires	130 ⁵
Sport Package with optional performance tires	137
Towing capacity, lb.	3500
Tongue weight, lb.	350
Payload, lb. (man./auto.)	1025 / 1036
EPA estimated MPG, city/highway:	
Manual transmission	17/25
Automatic transmission	16/23

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³ – 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 ice conditions.

⁴ – 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 limits and to please wear your safety belt at all times.

⁵ – Electronically limited.