

BMW

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The 2023 BMW ALPINA XB7: The Force of Emotions

- Updated design featuring new driving assistance systems and connectivity options.
- New generation 4.4-liter bi-turbo V8 producing 630 hp and 590 lb-ft of torque.
- 0 to 60 mph in 3.9 seconds, on to a top speed of 180 mph.
- MSRP starting at \$145,000 plus \$995 destination and handling.
- Ordering to open in September 2022 with first deliveries scheduled for early 2023.

Buchloe, Germany – September 20, 2022...Impressive driving dynamics, explosive performance, luxurious comfort. For 2023, the BMW ALPINA XB7 benefits from a host of updates, including a new generation engine, an even sharper, more progressive design, and advancements in driving assistance and connectivity. The new ALPINA 4.4-liter V8 with BMW mild-hybrid technology now produces 630 hp (up 18 hp from the previous generation) and 590 lb-ft of torque, placing the XB7 firmly among the highest performing Sports Activity Vehicles in the world.

New engine generation: 4.4-Liter Bi-Turbocharged V8 with Mild-Hybrid Technology

The 2023 BMW ALPINA XB7 features an all-new V8 engine, now with BMW mild hybrid technology. Through extensive development efforts, ALPINA engineers have adapted the powerful eight-cylinder engine (S68) specifically to the ALPINA drivetrain philosophy. A

characteristic feature is the high torque output of 590 lb-ft which is available from just 1,800 rpm all the way to 5,600 rpm. The engine's high power reserves are effortlessly and readily available at all times, which is what the superior ALPINA driving experience is all about. The V8 engine with bi-turbocharging generates 630 hp from 4.4 liters of displacement and delivers exceptional driving performance: the luxury 7-seater SAV accelerates from 0 to 60 mph in just 3.9 seconds, completes the ¼ mile sprint in just 12.4 seconds, and can reach a top speed of 180 mph with the available 21-inch wheel and performance tire package (a no-cost option).

In this latest V8 engine generation, BMW has implemented a cross-bank exhaust manifold that distributes the exhaust gas flow homogeneously to the two twin-scroll turbochargers. This makes the turbochargers highly responsive. The featured BMW mild-hybrid technology improves efficiency; its intelligent system controls allow the combustion engine to run at very high degrees of efficiency for a given load range at constant speeds. In addition, the 48-volt starter-generator located within transmission enhances the responsiveness of the high-performance engine by utilizing the support of the electric motor as needed.

The state-of-art BMW engine technology is augmented by an ALPINA-specific engine management system and performance cooling system consisting of an enlarged and optimized main engine cooler with integrated transmission cooler, external engine oil and water coolers, and a low-temperature cooling circuit (air/water/air) for the ALPINA-specific intercooling system. Cross-sectioned optimized coolant hoses ensure maximum throughput.

Smooth and Fast: 8-Speed Sport Automatic and Active LSD

The latest transmission generation with integrated 48-volt mild-hybrid technology offers both comfort and performance at the highest levels. The 8-Speed Sport Automatic Transmission with the industry-original ALPINA SWITCH-TRONIC wheel-mounted shift buttons responds within milliseconds to driver inputs. Depending on the chosen drive and transmission mode, the 8-Speed Sport Automatic Transmission offers unparalleled shift comfort and the ability to execute shifts in fractions of a second, meaning power is delivered effortlessly and instantaneously at all times.

Effective torque distribution is guaranteed by the intelligent xDrive all-wheel drive system and an electronically-variable limited-slip differential at the rear axle. This improves traction when driving dynamically by ensuring that slip-induced losses are minimized, and torque is

distributed effectively to the wheel with the most grip at any given time. The degree of lock is continuously and actively adjusted depending on wheel speed, friction coefficients, and steering angle among other factors. The behavior of the limited-slip differential is specifically calibrated to suit the dynamic character of the BMW ALPINA XB7, and it operates in conjunction with the other driving stability systems.

Ride Comfort and Driving Dynamics: ALPINA Sport Suspension and Kinematics

The 2023 BMW ALPINA XB7 is equipped with the latest suspension technology, opening a new dimension in both ride comfort and driving dynamics in the performance-luxury Sports Activity Vehicle segment.

The two-axle air suspension with ALPINA-specific dampers and kinematics is primarily responsible for the balance of driving dynamics and ride comfort. It allows for a remarkable and noticeable 1.6-inch change in ride height, depending on driving situation or the chosen suspension mode. At speeds below 19 mph, the ride height can be raised by 1.6 inches for challenging ramp angles or other clearance requirements. In SPORT mode or above 100 mph the ride height is reduced by 0.8 inches, and by 1.6 inches in SPORT+ mode or above 155 mph. The resulting lower center of gravity and subsequent changes in suspension geometry, with associated increases in negative camber, have a significant positive effect on driving dynamics.

ALPINA-specific dome-bulkhead struts and reinforced torsion struts increase body rigidity. In addition, the electromechanical anti-roll bars of the Active Roll Stabilization system and stiffer rear axle bushings reduce body roll substantially.

The Integral Active Steering offers direct steering response with exceptional feedback and improves overall agility. The rear wheels can pivot up to 2.3° left or right, increasing agility at low speeds and aiding maximum directional stability at high speeds. The driver can choose from three steering modes: COMFORT, SPORT and SPORT+.

Excellent Road Holding with Maximum Grip: Wheels, Tires and Brakes

Specially-developed wheel and tire combinations underscore the powerful, elegant appearance of the BMW ALPINA XB7 and are instrumental in offering impressive levels of grip and road holding, especially for a vehicle of this size category.

The BMW ALPINA XB7 offers two wheel styles. The 21" ALPINA DYNAMIC wheels can be specified with performance summer or all-season runflat tires, measuring 285/45R21 front and rear.

The beautiful 23-inch forged-alloy wheels in the iconic ALPINA CLASSIC 20-spoke design and finished in Anthracite are now standard. Their high-strength, high-density construction as a result of forging allows a significant weight saving of 7 lbs. per wheel. In collaboration with the experts at Pirelli, the performance summer tires for the 23-inch wheels have been explicitly developed and specified for the BMW ALPINA XB7. Measuring 285/35ZR23 at front and 325/3 ZR23 rear, they provide impressive grip and visual presence.

Four-piston fixed brake calipers from Brembo with brake discs measuring 15.5 inches on the front axle and floating brake calipers with brake discs of 15.7 inches on the rear axle offer powerful and consistent deceleration. The brake calipers are finished in ALPINA Blue and feature white ALPINA lettering.

Powerful and Progressive: Design

The new front view is dominated by a modified light design with horizontally-separated twin headlights. In addition, the glow of the illuminated kidney grille adds a fresh design accent: a waterfall of light, which can also be activated when driving, draws attention to the trademark BMW kidney grill. The striking, new design vocabulary of the air intakes is taken up by the ALPINA front apron to produce a perfectly shaped, powerful appearance. At the other end, the four oval tailpipes of the sport exhaust system are beautifully integrated into the ALPINA rear apron.

Technology, Connectivity, Craftsmanship: Equipment

The latest generation of the BMW iDrive adds a new, digital dimension to the vehicle-driver interaction. The technological basis is provided by the BMW iDrive 8 Operating System in combination with intuitive control options like the outstanding voice control offered by the BMW Intelligent Personal Assistant. The degree of personalization in the displays has reached a new level, including in the standard head-up display with optimized graphics performance. In accordance with the BMW design principle of "eyes on the road – hands on the wheel", all displays offer logical driver orientation and can also be tailored to drivers' individual needs. The

integration of third-party apps works seamlessly.

When it comes to the driver assistance systems, the BMW ALPINA XB7 offers the Active Driving Assistant Plus and Parking Assistant Professional as standard. Parking Assistant Professional now includes Maneuver Assistant and Trailer Assistant.

Maneuver Assistant uses GPS data and the trajectory data from steering inputs to record and store up to ten different maneuvers covering a distance of up to 200 meters each. When the XB7 arrives at a memorized GPS point, such as the entrance to a narrow driveway with tight curves, the system will be able to carry out all the tasks required to complete the maneuver, controlling the accelerator, brakes, and steering as well as changing gear to move forward or backward.

Trailer Assistant provides the driver with an enhanced view of the path of an attached trailer and allows steering inputs through the iDrive controller, helping the driver reverse the trailer with precision. Software updates and upgrades can be downloaded to the vehicle over the air via Remote Software Upgrade.

In the cockpit, the large Curved Display allows the digital instrument panel and the central control display to merge into one unit. The gauges of the digital instrument panel are in the iconic ALPINA Blue. In SPORT and SPORT+ modes, ALPINA green drag indicators provide a design accent.

The interior features many distinguishing details and features which set it apart from the mainstream: glass iDrive controller with the ALPINA design, blue illuminated gear selector, ALPINA production plaque, illuminated ALPINA door sills and the unique ALPINA Sport Steering Wheel hand-finished in the finest LAVALINA leather and featuring trademark Blue/Green stitching. In addition to the ALPINA Myrtle Luxury Wood interior trim, two further ALPINA trim variants are optionally available: Piano Lacquer and Natural Walnut Anthracite. Each of the ALPINA wood trim variants features the ALPINA roundel logo.

Specifications

		ALPINA XB7
Seats	--	6/7
Number of Doors	--	5
Drive type	--	AWD
Length	inches	203.9
Width	inches	78.3
Width including mirrors	inches	87.3
Height	inches	70.7
Wheelbase	inches	122.2
Ground clearance	inches	8.4
Turning radius	feet	21.4
Shoulder width front	inches	60.0
Shoulder room 2 nd row	inches	58.1
Shoulder room 3 rd row	Inches	47.9
Legroom front	inches	39.8
Legroom 2 nd row	inches	37.6
Legroom 3 rd row	inches	33.3
Headroom front	inches	41.9
Headroom 2 nd row	inches	39.9
Headroom 3 rd row	inches	36.6
Trunk volume	ft ³	48.6 – 90.4
Fuel Tank capacity	gallons	21.9
Curb weight	lbs.	5,986
Gross vehicle weight	lbs.	7,319
Payload	lbs.	1,180
Weight distribution front/rear	percent	48 / 52
Tow capacity with factory tow hitch	lbs.	7,500
Engine type	--	S68T0 V8
Induction		Turbocharging

Cylinders	--	8
Valves per cylinder	--	4
Bore x Stroke	mm	89.0 x 88.3
Displacement	cm ³	4,395
Compression rate	:1	10.5
Engine power	hp	630 @ 5,600 – 6,500 rpm
Engine torque	ft. lbs.	590 @ 1,800 – 5,600 rpm
Fuel type	--	Gasoline
Recommended Fuel	--	Premium
Engine oil capacity	quarts	11.4
Output per liter	hp/liter	143.57
Transmission type	--	8HP80MH Sport Automatic
Gear ratios 1st gear	--	5.50
2nd	--	3.52
3rd	--	2.20
4th	--	1.72
5th	--	1.30
6th	--	1.00
7th	--	0.83
8th	--	0.64
Reverse gear	--	4.54
Final drive ratio	--	3.38
Power-steering type	--	EPS
Steering ratio	:1	16.4
21" Tires, optional front & rear		285/45R21 113Y XL perf. run-flat
21" Tires, optional front & rear		285/45R21 113H XL a/s run-flat
21" Wheels, optional front & rear	inches	21 x 9.5
23" Tires, standard front		285/35ZR23 107Y XL perf.
23" Tires, standard rear		325/30ZR23 109Y XL perf.
23" Wheels, standard front & rear	inches	23 x 9.5 / 23 x 11.0
Track, front	inches	66.2

Rear, track	inches	67.0
Cx	--	0.35
0-60 mph	seconds	3.9 with 21-inch wheels/tires
Top speed (with all-season tires)	mph	180 with 21-inch wheels/tires (130)
EPA Fuel Economy, city / hwy	mpg	tbd

About ALPINA and BMW in North America

ALPINA Automobiles, privately owned and operated since 1965, has enjoyed a decades-long technical partnership with BMW AG, providing development and testing services to the Munich-based automaker. ALPINA is recognized by the German Ministry of Transport as an independent automobile manufacturer. Selected BMW ALPINA automobiles (currently the XB7 and B8 Gran Coupé) are sold and serviced by the existing BMW dealer networks in the United States and Canada. These models are covered by BMW New Vehicle Limited Warranty and applicable maintenance programs.

ALPINA – Manufacturer of Exclusive Automobiles

Burkard Bovensiepen founded the automobile manufactory ALPINA Burkard Bovensiepen KG in 1965. Ever since, Buchloe has been home to probably the world's most renowned automobiles based on BMW models, developed and produced by the independent family-owned business in cooperation with BMW. This close partnership forms the basis for the continued success of the ALPINA brand: individual automobiles are manufactured with great love for detail and technical finesse, which, however, at the same time meet the high quality and safety standards of series production. Since 1983, ALPINA is officially registered as an automobile manufacturer by the German Ministry of Transport, the Kraftfahrtbundesamt.

Elegant understatement is at the very core of ALPINA's brand philosophy, which is manifested in an interior with the focus on comfort, above-average driving performance and a discreetly sporty exterior. BMW ALPINA automobiles have regularly caused sensations, both on the road and the racetrack – the result of a remarkable model history.

Founder Burkard Bovensiepen runs the company together with his sons Andreas and Florian.

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 of motor vehicles, including motorcycles, the MINI brand, and Rolls-Royce Motor Cars; Designworks, a strategic design consultancy based in California; a technology office in Silicon Valley and various other operations throughout the country. BMW Manufacturing Co., LLC in South Carolina is the BMW Group global center of competence for BMW X models and manufactures the X3, X4, X5, X6 and X7 Sports Activity Vehicles. The BMW Group sales organization is represented in the U.S. through networks of 350 BMW passenger car and BMW Sports Activity Vehicle centers, 146 BMW motorcycle retailers, 105 MINI passenger car dealers, and 38 Rolls-Royce Motor Car dealers. BMW (US) Holding Corp., the BMW Group's sales headquarters for North America, is located in Woodcliff Lake, New Jersey.

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Journalist note: Information about BMW Group and its products in the USA is available to journalists on-line at www.bmwusanews.com, www.miniusanews.com and www.press.bmwna.com.

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