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EXCLUSIVE AUTOMOBILES

AUTOMOBILE MASTERPIECES *since 1965*

BMW ALPINA XD3

AWD

no BOUNDARIES

The new BMW ALPINA XD3 builds on the great success of its popular predecessor. No other model offers such a unique blend of qualities, ranging from everyday utility and a commanding seating position to unparalleled driving comfort and impressively dynamic handling – all packaged in a modern and contemporary design. Combined with a cutting-edge diesel drivetrain which offers best-in-class driving performance and which features the latest in exhaust gas treatment technology means the new BMW ALPINA XD3 is the perfect everyday companion for every lifestyle.

The new BMW ALPINA XD3 is equipped with the latest 3.0 litre straight-six engine with quad-turbocharging and common-rail high-pressure direct injection. The drivetrain delivers a power output of 285 kW (388 hp) and 770 Nm of torque over a broad rpm range. The combination of powerful drivetrain, all-wheel drive with fully variable torque distribution and sports suspension with electronically adjustable

dampers means the new BMW ALPINA XD3 offers superior handling and dynamics without compromising ride comfort. With an acceleration from 0-100 km/h in just 4.6 seconds and a maximum velocity of 267* km/h, the new BMW ALPINA XD3 marks nothing less than the benchmark in its segment.

The design of the new BMW ALPINA XD3 skillfully combines the BMW design language with distinct and yet evolutionary ALPINA elements. In total the appearance is a reflection of its inner values: powerful, dynamic, confident but never intrusive.

The interior of the new BMW ALPINA XD3 offers a spacious ambience, characterised by fine materials and modern clarity. The extensive level of standard equipment means the well-being and comfort of driver and passengers is guaranteed. Additionally, alongside a large selection of colours and materials from BMW and BMW Individual, the ALPINA manufactory offers a wide range of personalisation options.

* In combination with ALPINA CLASSIC 22" forged wheels reduced top speed by approximately 5 km/h.





- EXHAUST SYSTEM

Representing the high power output, with two elliptical double ended tailpipes left and right





new LEVEL

In 2013, for the first time in the company history, ALPINA offered its customers a SUV, based on the second generation of the BMW X3 series. With nearly 1,000 sold units a huge success for ALPINA.

Building on the great success of its predecessor, the new and even more grown-up BMW ALPINA XD3 reaches a new level regarding power output, handling dynamics and driving culture.

The new BMW ALPINA XD3 outstands with dynamic aesthetic, modern exterior design and a premium interior. Absolute eye catcher: The front with an integrated spoiler and free-floating ALPINA lettering or the new and optional available ALPINA CLASSIC 22" forged wheels*.

Two elliptical double ended tailpipes left and right are indicative for the powerful engine, which is responsible for the impressive driving figures of the new BMW ALPINA XD3.

The new BMW ALPINA XD3 features, like all BMW ALPINA models, the latest in exhaust gas treatment technology. In addition to a diesel particulate filter and a NOx storage catalytic converter, a SCR catalytic converter with aqueous urea solution injection (AdBlue®) reduces emissions to a minimum. The AdBlue® tank volume is 20 litres which typically equates to an average range of 10.000 km.

* In combination with ALPINA CLASSIC 22" forged wheels reduced top speed by approximately 5 km/h.



EXHAUST SYSTEM •

Diesel particulate filter and a NOx storage catalytic converter, a SCR catalytic converter with aqueous urea solution injection (AdBlue®) reduces emissions to a minimum

CHARGING •

Permanent two stage charging system with a total of four turbochargers: the arrangement consists of two parallel-operating high-pressure stages with variable turbine geometry and two large low-pressure stages

AERODYNAMIC COMPONENTS •

Reduce uplift on the front and rear axle for maximum driving stability at all speeds

COOLING •

The high performance cooling package guarantees thermodynamic stability even under highest loads

ENGINE •

3.0 litre straight-six cylinder engine delivers a maximum output of 285 kW (388 hp) and 770 Nm (568 lbs-ft) of torque over a wide rpm range

AIR FLAP CONTROL SYSTEM •

Adapts to the engine's cooling needs and reduces aerodynamic drag when being closed

POWER *and* TORQUE

Building upon the excellence of the new BMW 3.0 litre straight-six engine with quad-turbocharging and common-rail high-pressure direct injection, the drivetrain of the new BMW ALPINA XD3 delivers a power output of 285 kW (388 hp). This is available over a wide bandwidth ranging from 4000 to 5000 rpm. The maximum torque of 770 Nm is already available from just 1750 rpm and up to 3000 rpm.

The resulting performance figures are impressive, the new BMW ALPINA XD3 accelerates from 0 to 100 km/h in just 4.6 seconds and has a top speed of 267* km/h – meaning it is currently fastest-in-segment.

The permanent two-stage turbocharging system with four turbochargers offers maximum performance. It comprises two large low-pressure stages operating in parallel and two small high-pressure stages with

variable turbine geometry which also operate in parallel. As a result, power delivery is smooth, effortless, and – for a diesel – unusually dynamic over the entire rpm range.

More output requires more cooling. The high-performance cooling package of the new BMW ALPINA XD3 is designed for maximum effectiveness.

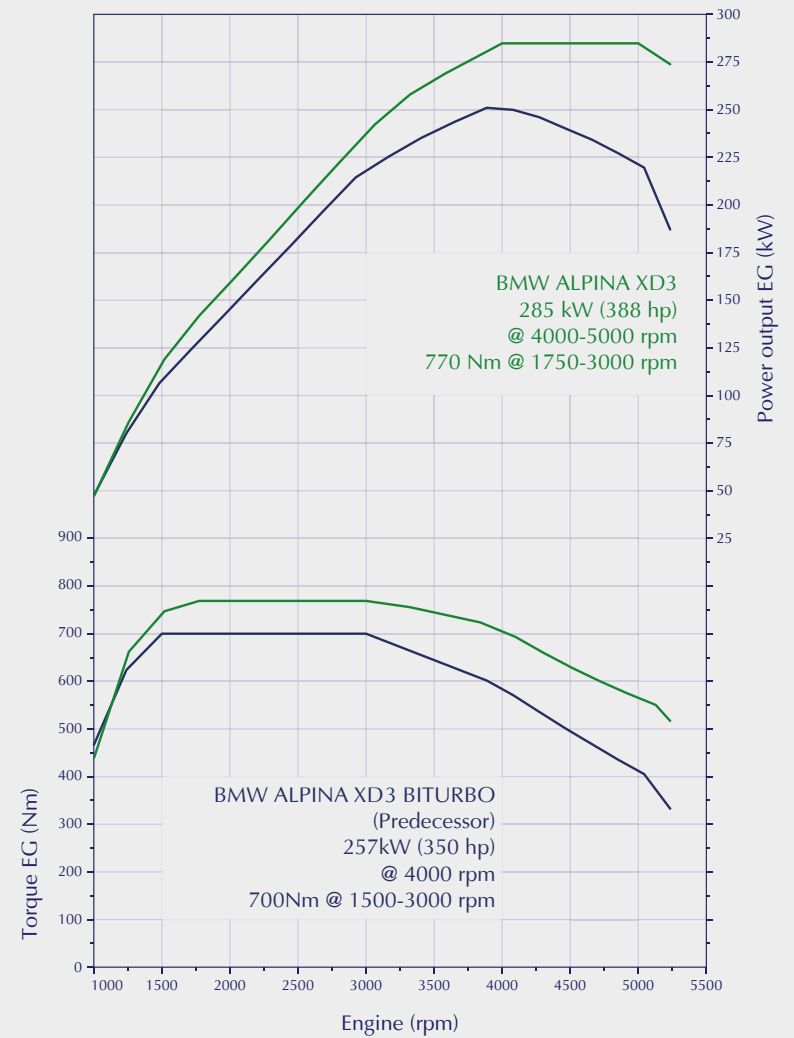
The latest generation 8-Speed Sport Automatic Transmission with ALPINA SWITCH-TRONIC is specifically refined and adapted to the torque and performance of the straight-six cylinder diesel engine in collaboration with ZF, it offers exceptional shift comfort for relaxed, luxurious cruising at low engine rpm even when travelling at speed.

* In combination with ALPINA CLASSIC 22" forged wheels reduced top speed by approximately 5 km/h.

State of the art 3.0 litre straight-six engine with quad-turbocharging

- High-pressure stage 2
- High-pressure stage 1
- Low-pressure stage 2
- Low-pressure stage 1

PERFORMANCE AND TORQUE DIAGRAM BMW ALPINA XD3



COMFORT *and* DRIVING DYNAMICS

The new BMW ALPINA XD3 offers an unrivalled range of driving experiences. Core development aim was to improve the suspension and chassis proportionate to the higher performance of the powertrain. That is to introduce a more dynamic and sharper handling without sacrificing the ALPINA typical ride comfort.

The ALPINA sport suspension uses electronically adjustable dampers for balanced chassis characteristics. Focus was placed on improving lateral driving dynamics markedly and on providing a wide range differentiation between the different driving modes. Using the Driving Experience Control switch the suspension is adjustable in rebound and compression and that of ranging from maximum dynamics in SPORT+ Mode to maximum ride comfort in COMFORT+ Mode. The use of sport springs, both stiffer and shorter, results in a lower centre of gravity for a further optimisation of handling and aerodynamics.

Designed to match the performance of the new BMW ALPINA XD3, the brake system incorporates a four piston fixed-calliper with Ø 395 mm discs at the front and a floating-calliper with Ø 370 mm discs at the rear. A high-performance brake system is optionally available – this combines lightweight drilled composite discs measuring Ø 395 mm at the front and Ø 398 mm at the rear with sport-spec brake pads for even more fading resistance under very high loads.*

The Ultra-high-performance tyres from Pirelli are responsible for perfect road holding and grip and have been explicitly developed in accordance to ALPINA's requirements with regards to dynamics and comfort. Combining motorsport technology with a flat shoulder contour and an innovative tread pattern facilitates high lateral loads and precise steering feeling without compromising wet handling.

* Sport-spec brake pads and drilled brake discs can lead to increased brake noise or brake vibration.



TRANSMISSION •
ZF 8HP75 transmission
with ALPINA SWITCH-TRONIC
Automatic Mode for relaxed, luxurious cruising
and Manual Mode for super fast shift times

ALL-WHEEL DRIVE •
Performance-oriented All-Wheel Drive
for neutral and agile handling

ACTIVE REAR LIMITED SLIP DIFFERENTIAL •
Electronically controlled

• SUSPENSION
ALPINA specific shorter and stiffer
springs for great chassis control and
lower centre of gravity

• STEERING
Variable ratio
electromechanical steering

• SUSPENSION
Electronically adjustable dampers,
sharp dynamics and maximum ride comfort

• BRAKE SYSTEM
Brembo 4-piston fixed brake callipers
with Ø 395 mm discs at the front

• TYRES
Pirelli Ultra-High-Performance tyres
for excellent traction, dynamics
and lateral grip

unmistakeably ALPINA

The appearance of the new BMW ALPINA XD3 embodies clear design with a harmonious character. ALPINA specific design and aerodynamic components integrate seamlessly into the BMW design language. The new BMW ALPINA XD3 in the format of a typical midsize SUV has matured significantly, with bold and dynamic aesthetics and a modern exterior design.

Large air intakes at the front support the optimized cooling of the drivetrain, the BMW kidney grille features an integrated air flap control system that adapts to the engine's cooling needs and when closed reduces aerodynamic drag. The design of the aerodynamic components blends form and function – reducing uplift on the front and rear axle to almost zero for maximum driving stability at all speeds.

The powerful and dynamic appearance of the new BMW ALPINA XD3 is strongly influenced by the unique design of the beautiful new lightweight forged ALPINA CLASSIC 22"* optional wheels and their technical, minimalistic design. As standard come ALPINA CLASSIC 20" wheels with hidden valve and lockable wheel hub cover.

The BMW ALPINA XD3 features an exhaust system with two elliptical twin tailpipes which are elegantly integrated in the rear apron.

* In combination with ALPINA CLASSIC 22" forged wheels reduced top speed by approximately 5 km/h.



finest INTERIOR

The interior of the new BMW ALPINA XD3 offers a spacious ambience, characterised by fine materials and modern clarity. Discreet details add touches of exclusivity and individualisation. For example the hand-crafted ALPINA sports steering wheel finished in luxurious LAVALINA leather with blue/green stitching, the ALPINA door sills and the trademark production plaque. A timeless ALPINA Piano Lacquer interior trim with a three dimensional logo is optionally available.

A full-colour digital instrument panel in LED technology features a standalone ALPINA design. In Comfort Mode it shows classic instruments with a blue background, red needles and clearly legible figures. In Sport Mode the display changes to dynamic style with green drag indicators.

An extensive range of standard equipment ensures the very highest level of well-being and comfort. This

includes class-leading BMW navigation, communication and entertainment systems, sports seats with electric adjustment, premium leather upholstery and LED headlights.

There are virtually no limits to our customers' wishes when it comes to customising the design of their automobile. From paint finishes to interior trim finishers and upholstery colours – everything the extensive program of BMW and ALPINA equipment has to offer can be selected. A BMW ALPINA rarely leaves the ALPINA manufactory in Buchloe, Bavaria, without drawing on the customising potential available. The company's philosophy allows customers to create their very own personal interior which our expert upholsteries then craft by hand with consummate expertise.







TECHNICAL DATA

BMW ALPINA XD3

This is a translation of the original German brochure which fulfils the requirements of German law. All technical data in this brochure apply to the German market, additional international units of measure shown in the technical data for the purposes of information only. Further information on specific fuel consumption and specific CO₂ emissions of new passenger cars is given in „Leitfaden über den Kraftstoffverbrauch, die CO₂-Emissionen und den Stromverbrauch neuer Personenkraftwagen“ which can be obtained free of charge at all points of sale and from the 'Deutsche Automobil Treuhand GmbH (DAT), Helmut-Hirth-Str. 1, 73760 Ostfildern-Scharnhausen‘.

- ¹ Fuel consumption and CO₂ emissions measured according to currently valid Regulation (EC) 715/2007. The disclosed fuel consumption and CO₂ emissions are measured according to WLTP (Worldwide Harmonized Light-Duty Vehicles Test Procedure) and converted to NEDC (New European Driving Cycle) for comparison purposes. Depending on your country, vehicle related taxes or other duties may be based on fuel consumption and CO₂ emissions data which differs from that shown here.
- ² The figures quoted includes a 90 % tank filling, 68 kg for the driver an 7 kg for luggage. Unladen weight applies to vehicles with standard equipment. Optional equipment may increase this figure.
- ³ EU-tyre label = fuel efficiency/wet grip/external rolling noise class.
- ⁴ Data for left-hand drive only (right-hand drive available).

ENGINE ⁴		
Cylinders in line		6
Capacity	cm³	2993
Bore	mm	84.0
Stroke	mm	90.0
Compression ratio	:1	16.0
Max output	kW (hp)	285 (388)
Max output at	1/min	4000 - 5000
Max torque	Nm / lbs-ft	770 / 568
Max torque at rpm	1/min	1750 - 3000
Engine management		BOSCH
		DDE 8.3.2
Fuel type		Diesel
Emission classification		Euro 6d

TRANSMISSION ⁴					
Type	8-Speed Sport-Automatic (ZF 8HP75) with SWITCH-TRONIC				
Transmission ratios :1					
	1st gear	5.00	5th gear	1.31	
	2nd gear	3.20	6th gear	1.00	
	3rd gear	2.14	7th gear	0.82	
	4th gear	1.72	8th gear	0.64	
Overall gear ratio	7.81				
Reverse gear ratio	:1	3.48			
Final drive ratio	:1	2.81			



PERFORMANCE ⁴	
Acceleration	
0-100 km/h / 0-62 mph	4.6 s
Acceleration	
0-200 km/h / 0-125 mph	17.9 s
Top speed	
km/h	267*
mph	166*
* In combination with ALPINA CLASSIC 22" forged wheels reduced top speed by approximately 5 km/h.	

FUEL CONSUMPTION ^{1,4}			
Urban ^{1,4}	l/100 km	7,8	
	mpg	36.2	
Extra-urban ^{1,4}	l/100 km	6,3	
	mpg	44.8	
Combined ^{1,4}	l/100 km	6,9	
	mpg	40.9	
CO ₂ emissions combined	g/km	183	
CO ₂ efficiency (Germany)		C	

DIMENSIONS ⁴		
Length	mm	4718
Width	mm	1897
Height, unladen	mm	1665
Wheelbase	mm	2864
Track, front	mm	1614
Track, rear	mm	1628
Luggage capacity	l	550 - 1600
Fuel tank, approx.	l	68

WEIGHT ⁴		
Unladen (EU) ²	kg	2045
Max permissible	kg	2550
Permitted load	kg	580
Max axle load, front	kg	1220
Max axle load, rear	kg	1425
Max trailer load:		
braked	kg	2400
braked**	kg	2000
unbraked	kg	750

** Max trailer load in combination with retrofitted towbar.

WHEELS & TYRES ⁴		
ALPINA CLASSIC 20" with PIRELLI PZERO (ALP)***		
front	8,5 x 20" with 255/45 ZR20 (105Y) XL	
EU-tyre label ³	C/A/  71 dB	
rear	10 x 20" with 285/40 ZR20 (108Y) XL	
EU-tyre label ³	C/A/  71 dB	
*** ALPINA CLASSIC 22" forged wheels* optionally available.		



ALPINA RECYCLING

Your BMW ALPINA is part of an all-embracing recycling concept. Recycling demands are already considered early in the development process of a BMW ALPINA. An example of this is in the selection of materials – they are chosen, such that they are environmentally friendly and easily recyclable, using a minimum of resources to do so. Every BMW ALPINA is built so that it is easily and cost-effectively recyclable at the end of its useable life span. All this occurs in close co-operation between BMW and ALPINA. BMW Group has built a European-wide redemption and recycling infrastructure, and require high quality and environmental standards. For return of your automobile for the purpose of recycling, please contact your BMW ALPINA partner. They are ready to help. For further information about recycling firms and redemption locations, please see www.bmw.com.



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